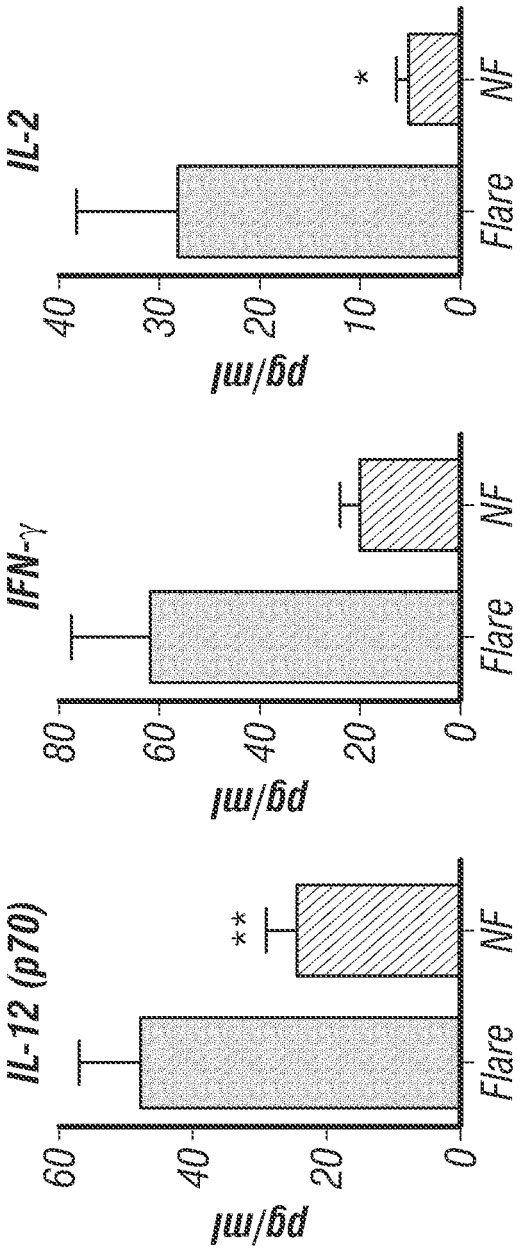

IL-2
pg/ml
40
30
20
10
0
*
Flare
NF
IFN-γ
pg/ml
80
60
40
20
0
Flare
NF
IL-12 (p70)
pg/ml
60
40
20
0
**
Flare
NF

FIG. 1A

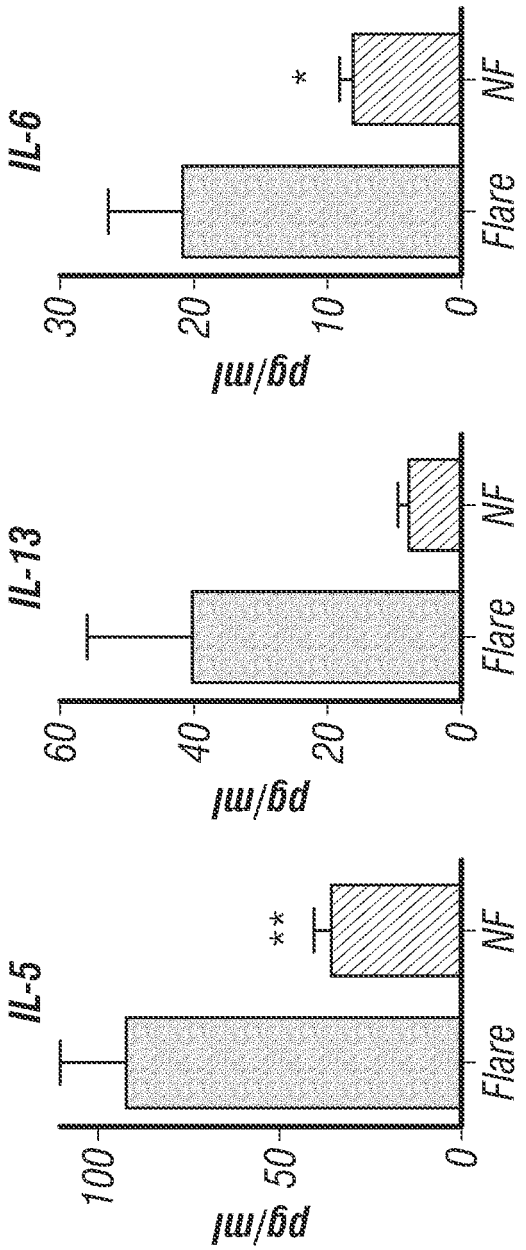
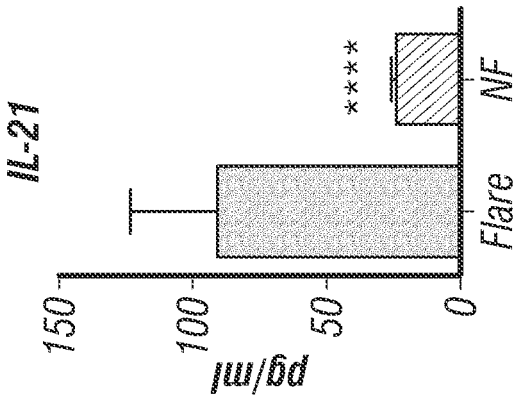
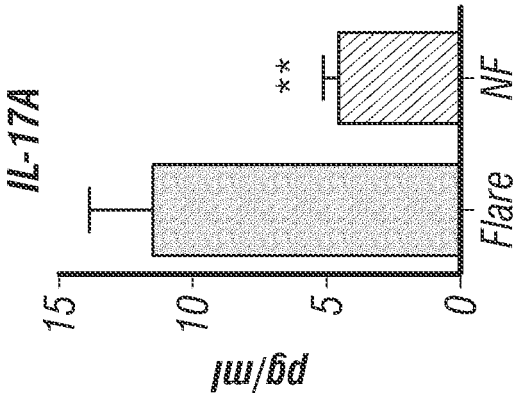

IL-6
pg/ml
30
20
10
0
*
Flare
NF
IL-13
pg/ml
60
40
20
0
Flare
NF
IL-5
pg/ml
100
50
0
**
Flare
NF

FIG. 1B


IL-21
pg/ml
150
100
50
0
****
Flare
NF


IL-17A
pg/ml
15
10
5
0
**
Flare
NF

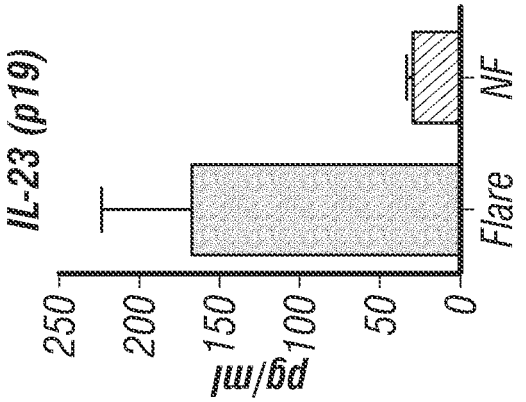
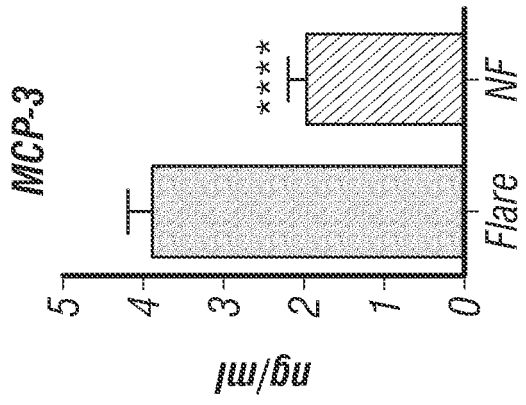
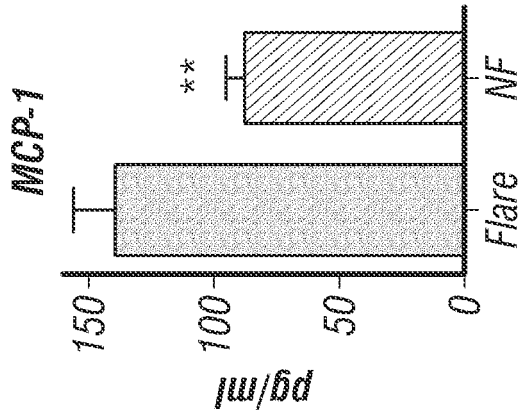

IL-23 (p19)
pg/ml
250
200
150
100
50
0
Flare
NF

FIG. 1C


MCP-3
ng/ml
5
4
3
2
1
0
****
Flare
NF


MCP-1
pg/ml
150
100
50
0
**
Flare
NF

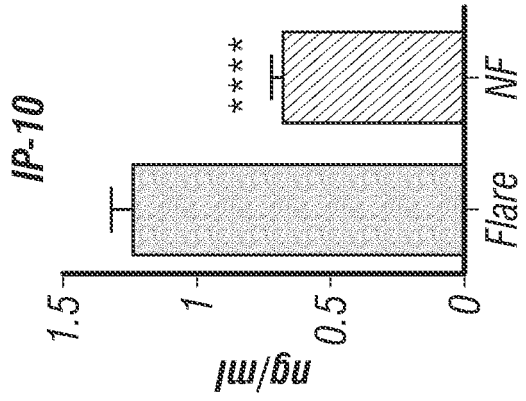

IP-10
ng/ml
1.5
1
0.5
0
****
Flare
NF

FIG. 1D

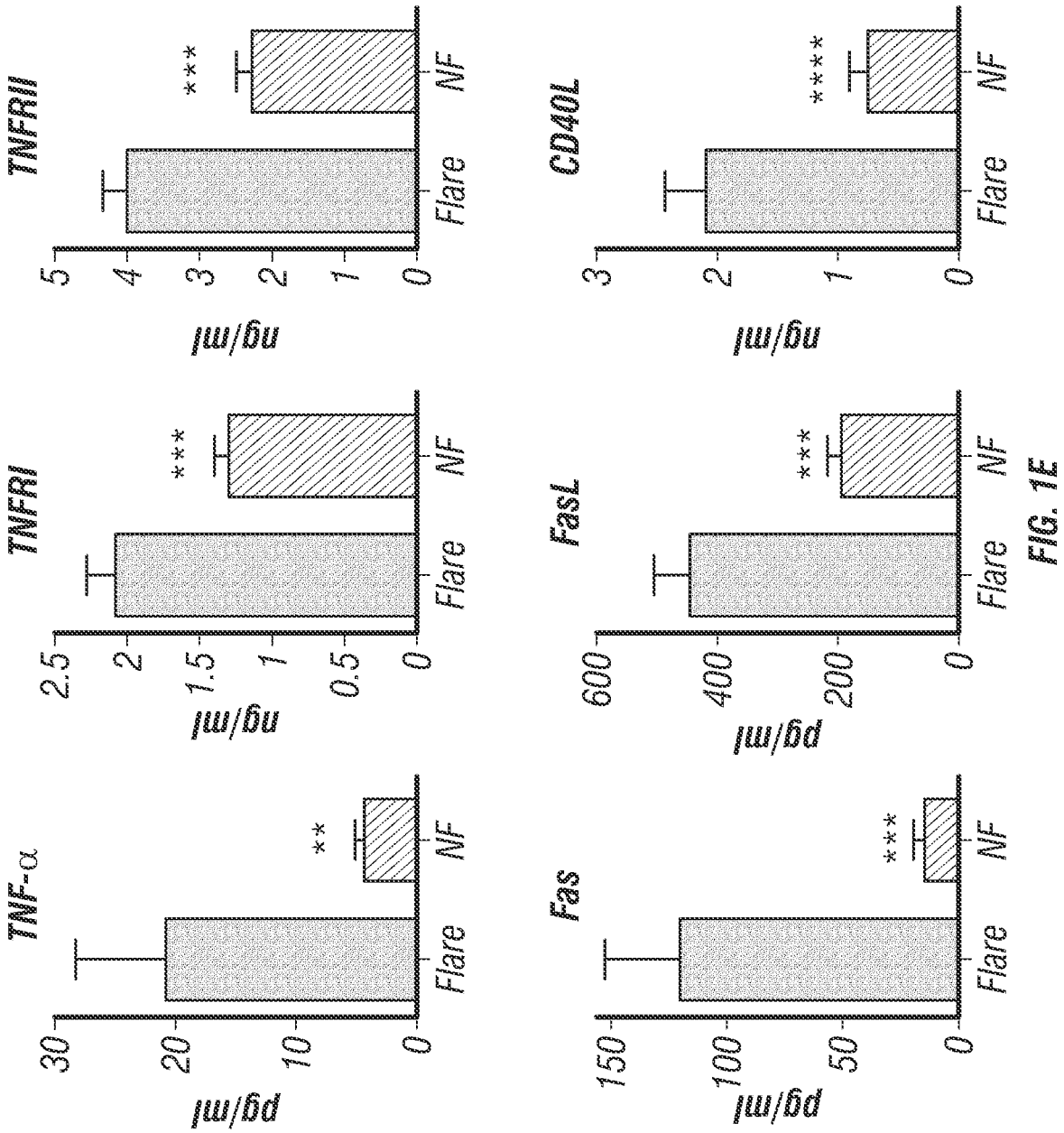
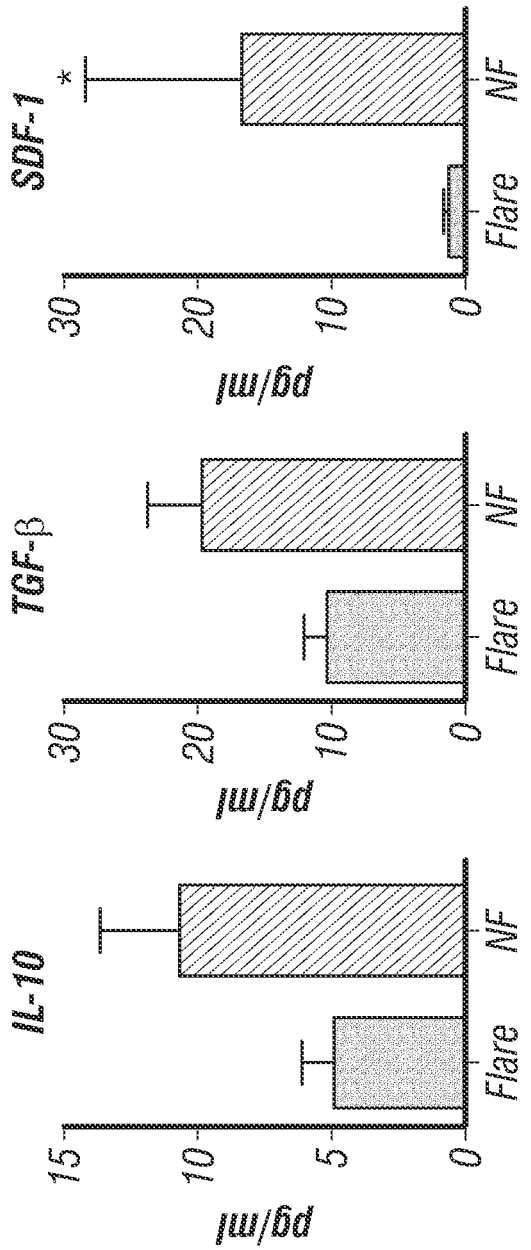

TNFRII
pg/ml
5
4
3
2
1
0
****
Flare
NF
CD40L
pg/ml
3
2
1
0
****
Flare
NF
TNFRI
pg/ml
2.5
2
1.5
1
0.5
0
***
Flare
NF
FasL
pg/ml
600
400
200
0
***
Flare
NF
TNF-α
pg/ml
30
20
10
0
**
Flare
NF
Fas
pg/ml
150
100
50
0
***
Flare
NF

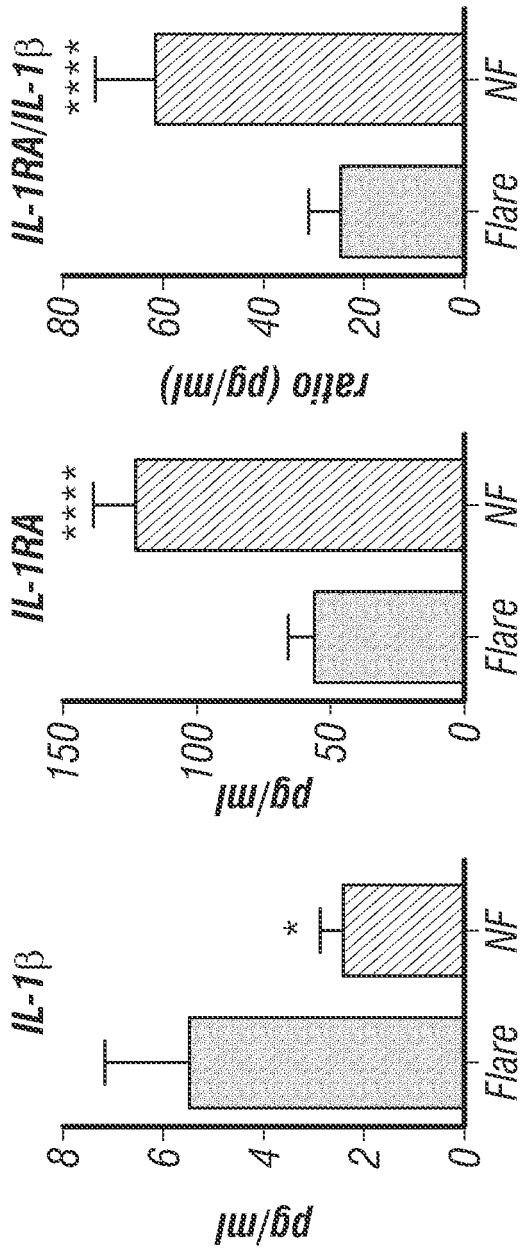
FIG. 1E


SDF-1
*
pg/ml
30
20
10
0
Flare
NF

TGF-β
pg/ml
30
20
10
0
Flare
NF

IL-10
pg/ml
15
10
5
0
Flare
NF

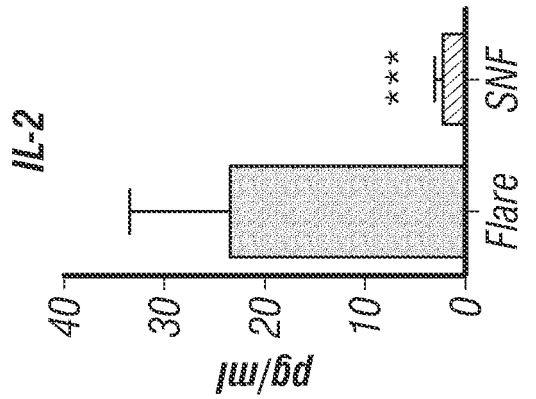
FIG. 1F

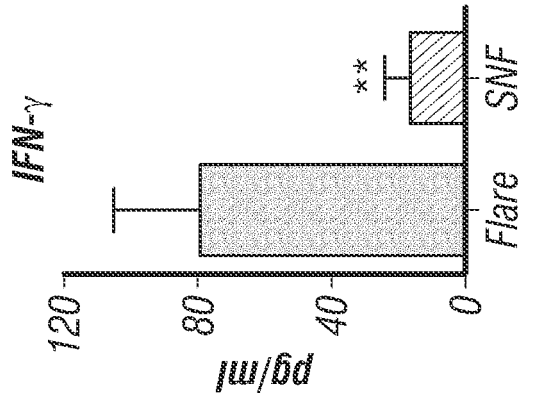

IL-1RA/IL-1β
****
ratio (pg/ml)
80
60
40
20
0
Flare
NF

IL-1RA
****
pg/ml
150
100
50
0
Flare
NF

IL-1β
*
pg/ml
8
6
4
2
0
Flare
NF

FIG. 1G


IL-2
pg/ml
40
30
20
10
0
***
Flare
SNF


IFN-γ
pg/ml
120
80
40
0
**
Flare
SNF

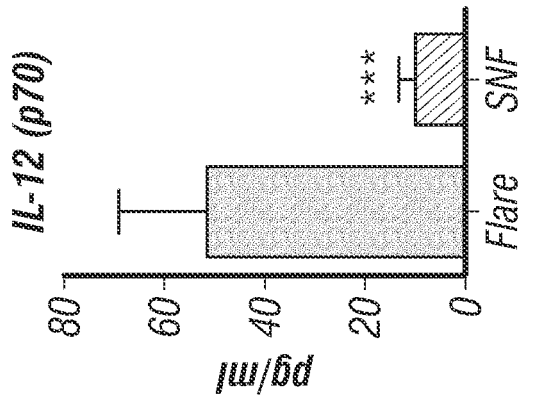
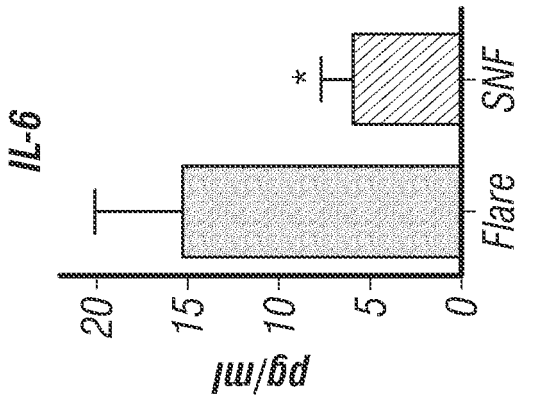
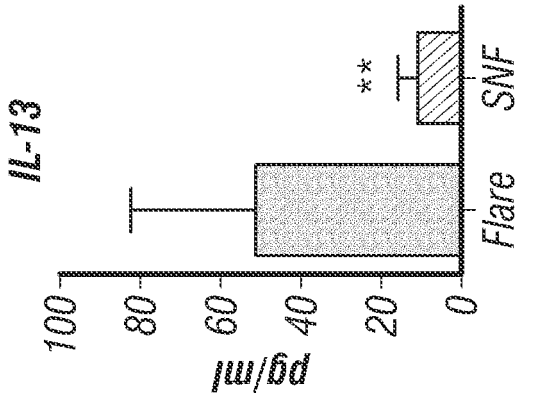

IL-12 (p70)
pg/ml
80
60
40
20
0
***
Flare
SNF

FIG. 2A


IL-6
pg/ml
20
15
10
5
0
*
Flare
SNF


IL-13
pg/ml
100
80
60
40
20
0
**
Flare
SNF

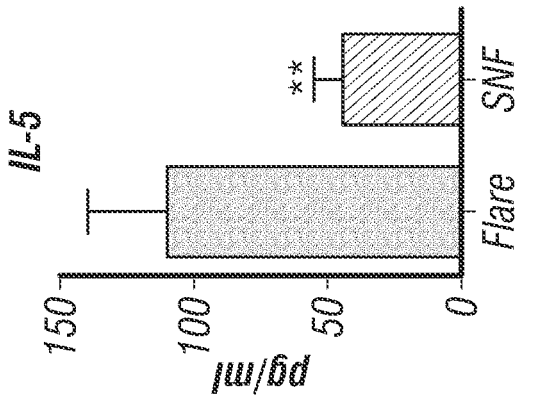

IL-5
pg/ml
150
100
50
0
**
Flare
SNF

FIG. 2B

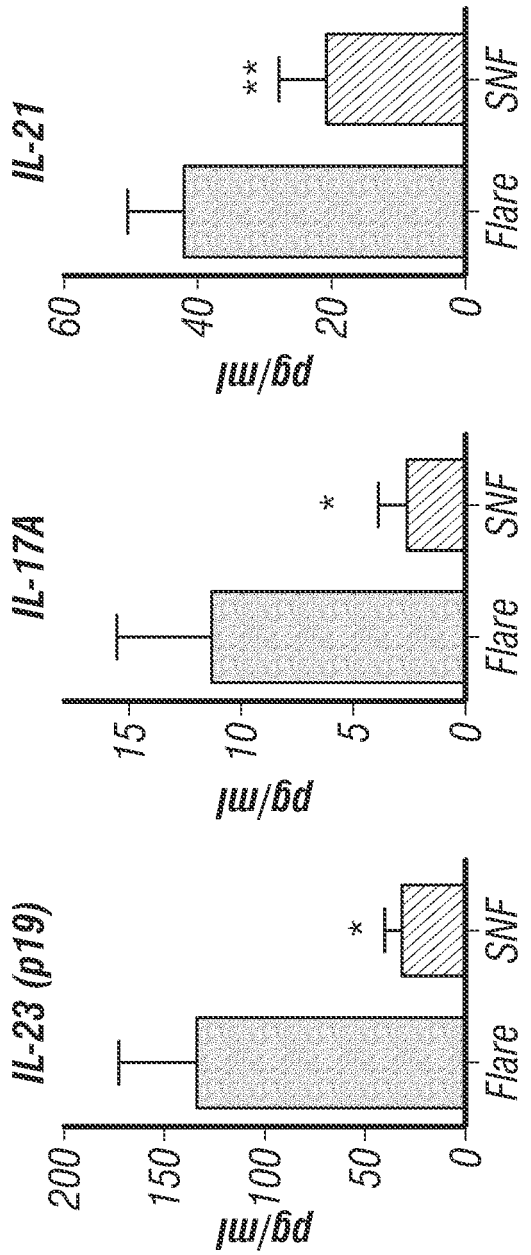

IL-23 (p19)
pg/ml
200
150
100
50
0
*
Flare
SNF
IL-17A
pg/ml
15
10
5
0
*
Flare
SNF
IL-21
pg/ml
60
40
20
0
**
Flare
SNF

FIG. 2C

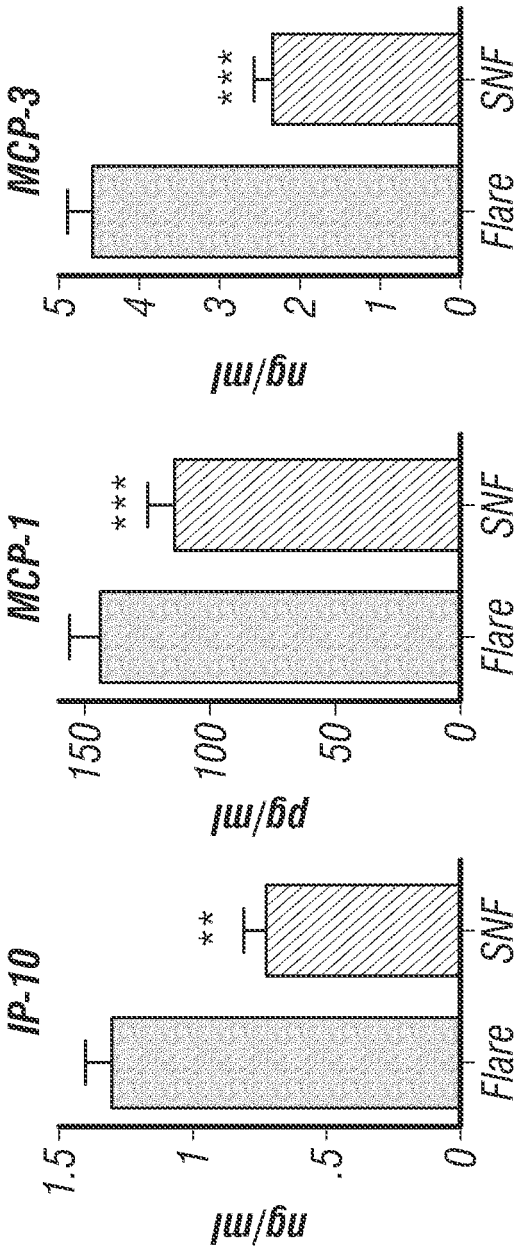

IP-10
ng/ml
1.5
1
.5
0
**
Flare
SNF
MCP-1
pg/ml
150
100
50
0
***
Flare
SNF
MCP-3
ng/ml
5
4
3
2
1
0
***
Flare
SNF

FIG. 2D

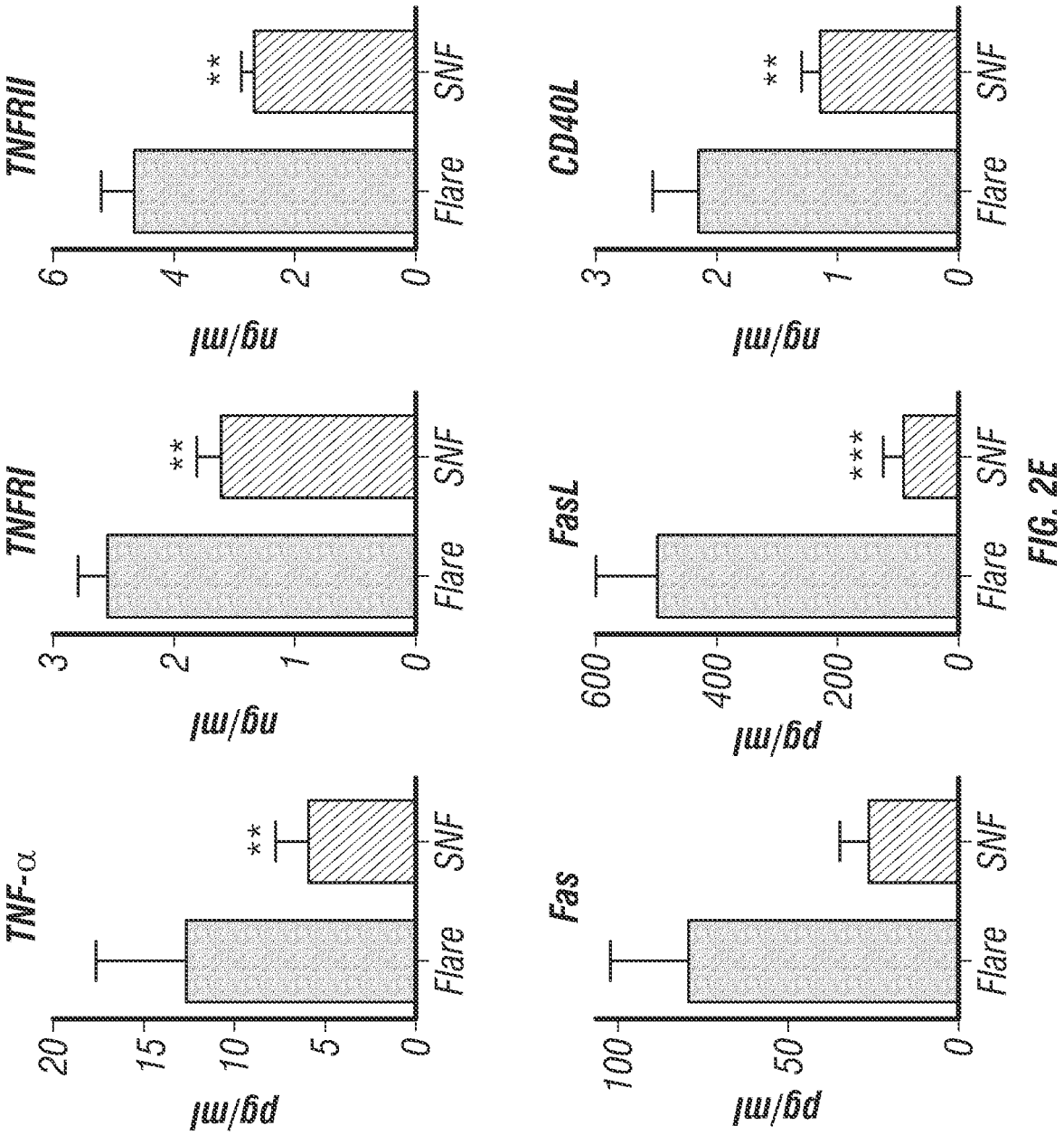

TNF-α
pg/ml
20
15
10
5
0
**
Flare
SNF
TNFRI
ng/ml
3
2
1
0
**
Flare
SNF
TNFRII
ng/ml
6
4
2
0
**
Flare
SNF
Fas
pg/ml
100
50
0
Flare
SNF
FasL
pg/ml
600
400
200
0
***
Flare
SNF
CD40L
ng/ml
3
2
1
0
**
Flare
SNF

FIG. 2E

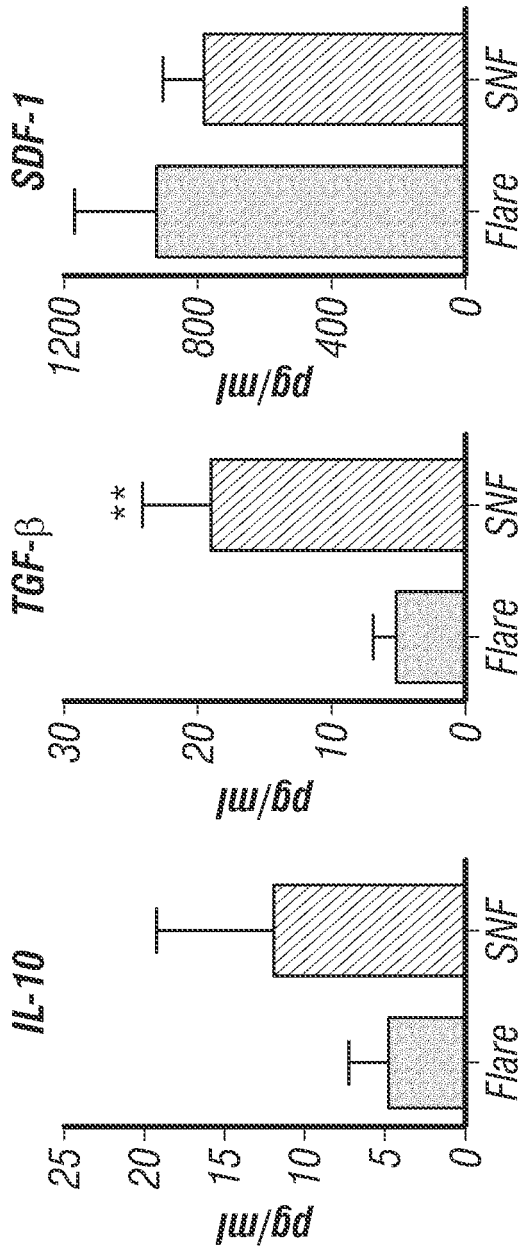

SDF-1
pg/ml
1200
800
400
0
Flare
SNF
TGF-β
**
pg/ml
30
20
10
0
Flare
SNF
IL-10
pg/ml
25
20
15
10
5
0
Flare
SNF

FIG. 2F

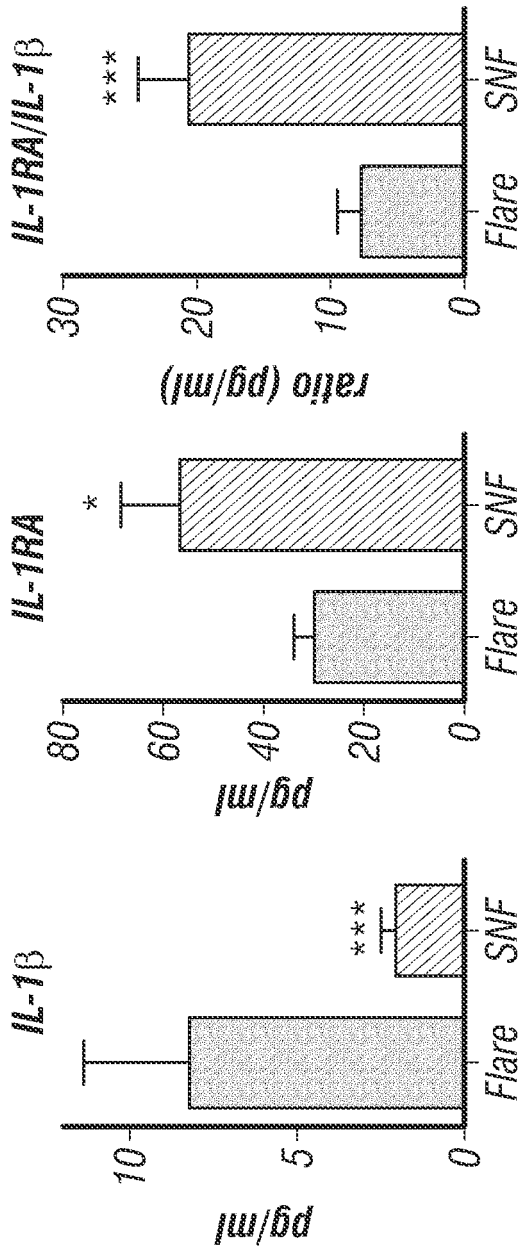

IL-1RA/IL-1β
***
ratio (pg/ml)
30
20
10
0
Flare
SNF
IL-1RA
*
pg/ml
80
60
40
20
0
Flare
SNF
IL-1β
***
pg/ml
10
5
0
Flare
SNF

FIG. 2G

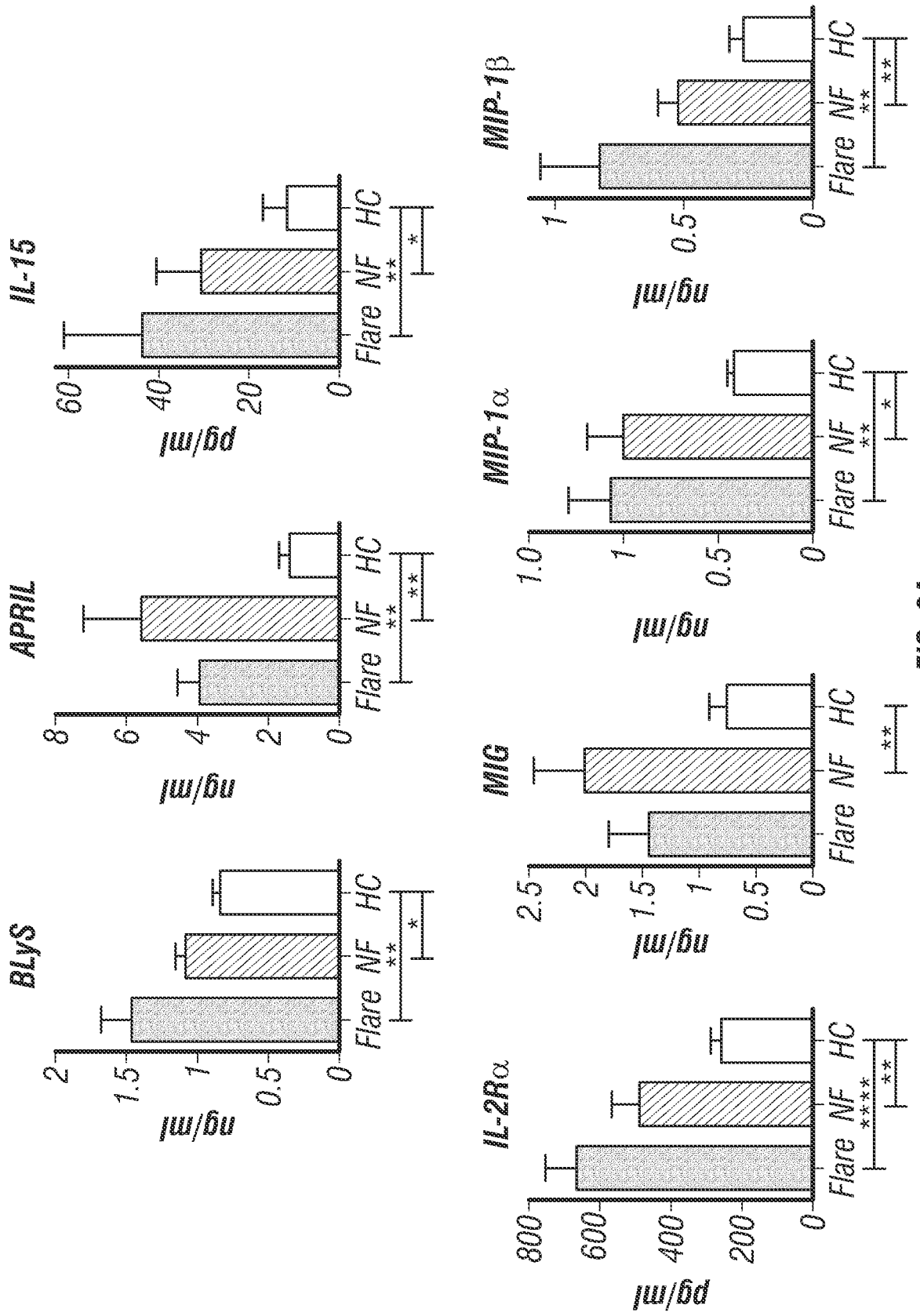

IL-15
pg/ml
60
40
20
0
Flare
NF
HC
**
*
APRIL
ng/ml
8
6
4
2
0
Flare
NF
HC
**
**
BLyS
ng/ml
2
1.5
1
0.5
0
Flare
NF
HC
**
*
MIP-1β
ng/ml
1
0.5
0
Flare
NF
HC
**
**
MIP-1α
ng/ml
1.0
1
0.5
0
Flare
NF
HC
**
*
MIG
ng/ml
2.5
2
1.5
1
0.5
0
Flare
NF
HC
**
IL-2Rα
pg/ml
800
600
400
200
0
Flare
NF
HC
****
**

FIG. 3A

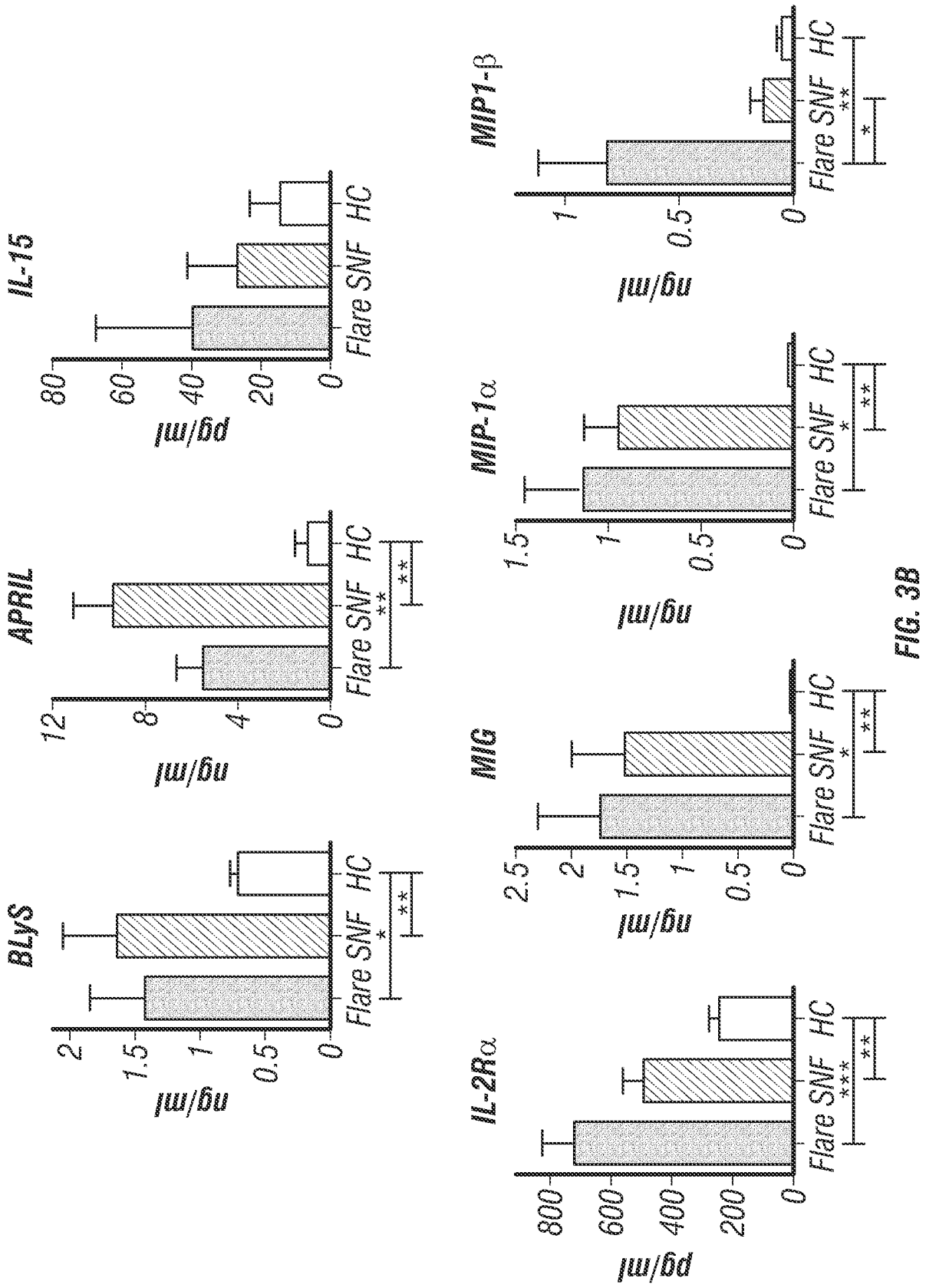

IL-15
pg/ml
80
60
40
20
0
Flare SNF HC
APRIL
pg/ml
12
8
4
0
Flare SNF HC
BLyS
pg/ml
2
1.5
1
0.5
0
Flare SNF HC
MIP1-β
ng/ml
1
0.5
0
Flare SNF HC
MIP-1α
ng/ml
1.5
1
0.5
0
Flare SNF HC
MIG
ng/ml
2.5
2
1.5
1
0.5
0
Flare SNF HC
IL-2Rα
pg/ml
800
600
400
200
0
Flare SNF HC

FIG. 3B

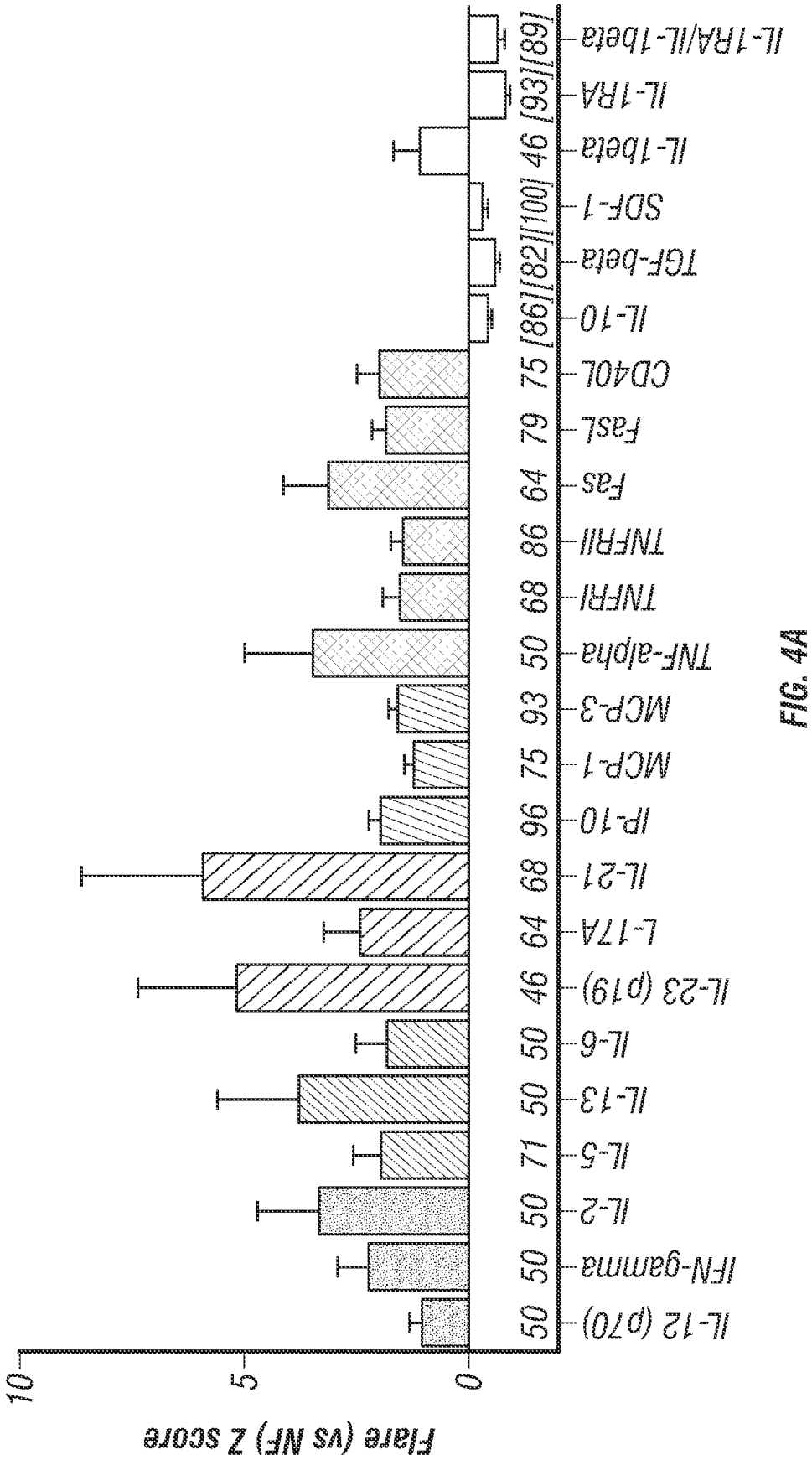

Flare (vs NF) Z score
10
5
0
IL-12 (p70) 50
IFN-gamma 50 50
IL-2 50
IL-5 71
IL-13 50
IL-6 50
IL-23 (p19) 46
L-17A 64
IL-21 68
IP-10 96
MCP-1 75
MCP-3 93
TNF-alpha 50
TNFRI 68
TNFRII 86
Fas 64
FasL 79
CD40L 75
IL-10 [86]
TGF-beta [82]
SDF-1 [100]
IL-1beta 46
IL-1RA [93]
IL-1RA/IL-1beta [68]

FIG. 4A

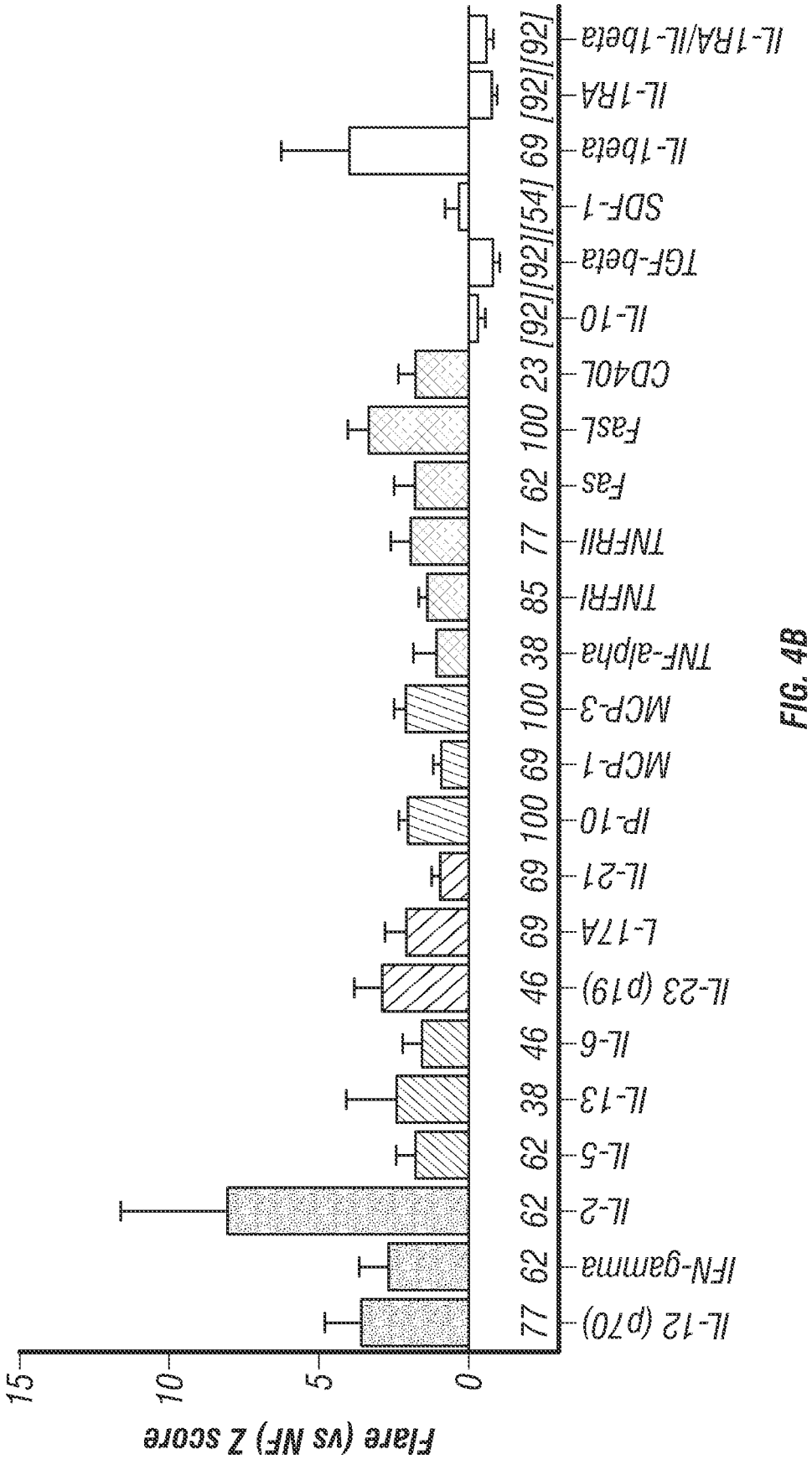

Flare (vs NF) Z score
15
10
5
0
IL-12 (p70) 77
IFN-gamma 62
IL-2 62
IL-5 62
IL-13 38
IL-6 46
IL-23 (p19) 46
L-17A 69
IL-21 69
IP-10 100
MCP-1 69
MCP-3 100
TNF-alpha 38
TNFRI 85
TNFRII 77
Fas 62
FasL 100
CD40L 23
IL-10 [92]
TGF-beta [92]
SDF-1 [54]
IL-1beta 69
IL-1RA [92]
IL-1RA/IL-1beta [92]

FIG. 4B

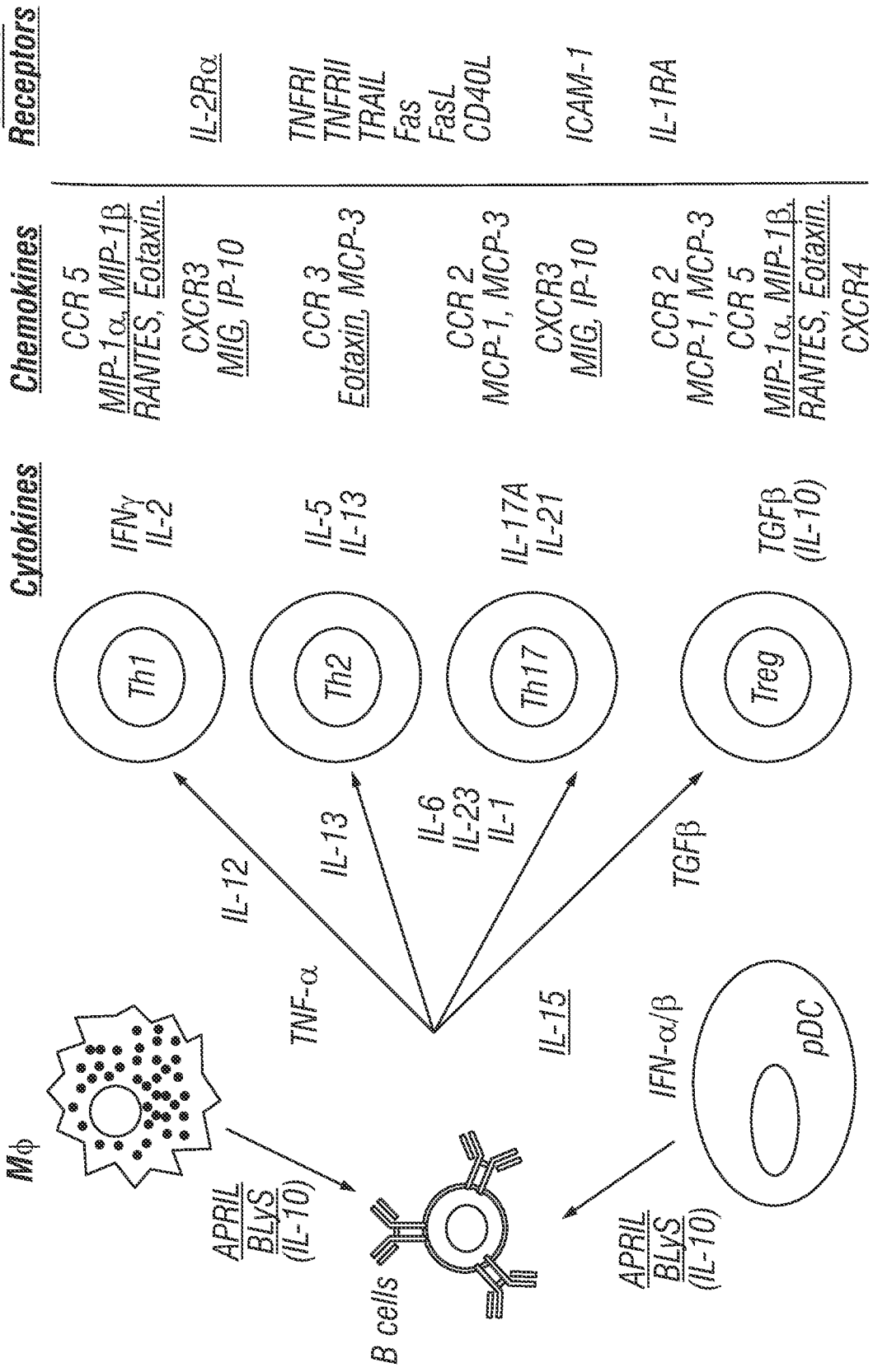

Innate
Adaptive
Effector
Soluble Receptors
Cytokines
Chemokines
IL-2Rα
TNFRI
TNFRII
TRAIL
Fas
FasL
CD40L
ICAM-1
IL-1RA
CCR 5
MIP-1α, MIP-1β
RANTES, Eotaxin.
CXCR3
MIG, IP-10
CCR 3
Eotaxin, MCP-3
CCR 2
MCP-1, MCP-3
CXCR3
MIG, IP-10
CCR 2
MCP-1, MCP-3
CCR 5
MIP-1α, MIP-1β,
RANTES, Eotaxin.
CXCR4
SDF-t
IFNγ
IL-2
IL-5
IL-13
IL-17A
IL-21
TGFβ
(IL-10)
Th1
Th2
Th17
Treg
IL-12
IL-13
IL-6
IL-23
IL-1
TGFβ
TNF-α
IL-15
IFN-α/β
Mϕ
APRIL
BLyS
(IL-10)
B cells
APRIL
BLyS
(IL-10)
pDC

FIG. 5

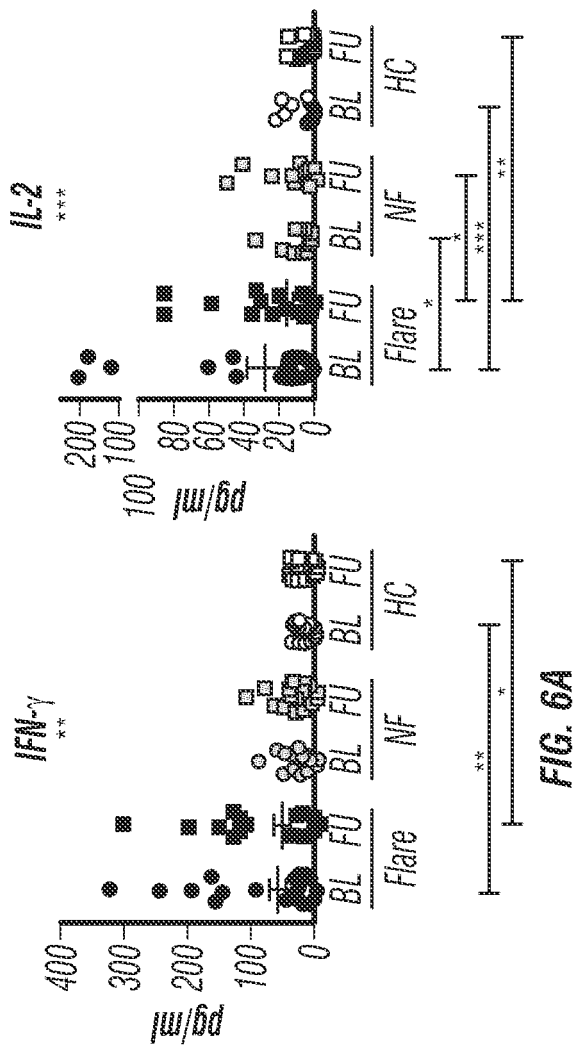

IL-2
IFN-γ
IL-12 (p70)
pg/ml
BL FU BL FU BL FU BL FU
Flare NF HC

FIG. 6A

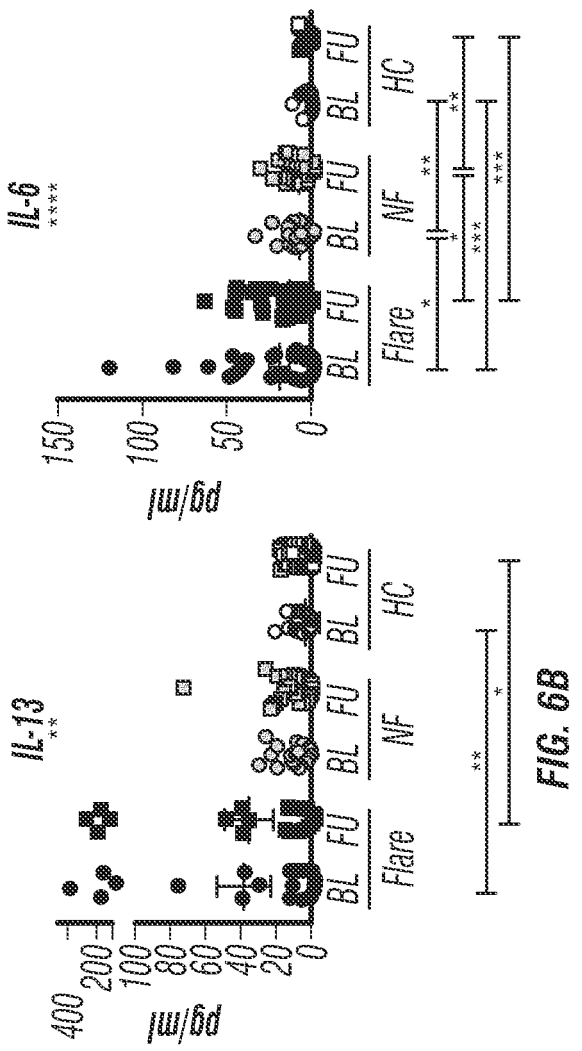
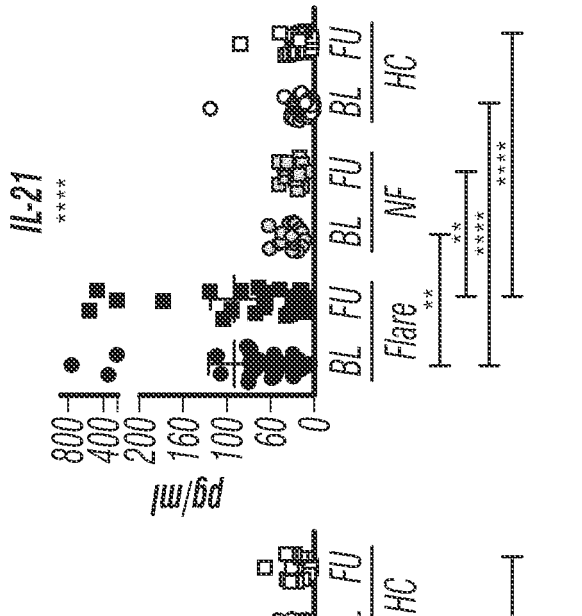
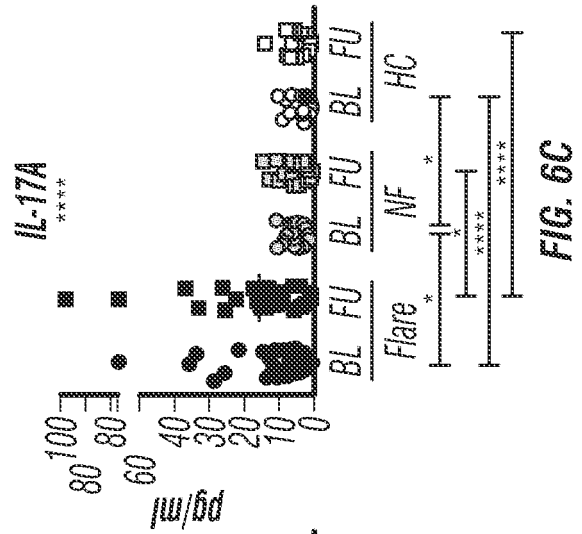

IL-6
IL-13
IL-5
pg/ml
BL FU BL FU BL FU BL FU
Flare NF HC

FIG. 6B


IL-21
pg/ml
BL FU BL FU BL FU
Flare NF HC


IL-17A
pg/ml
BL FU BL FU BL FU
Flare NF HC

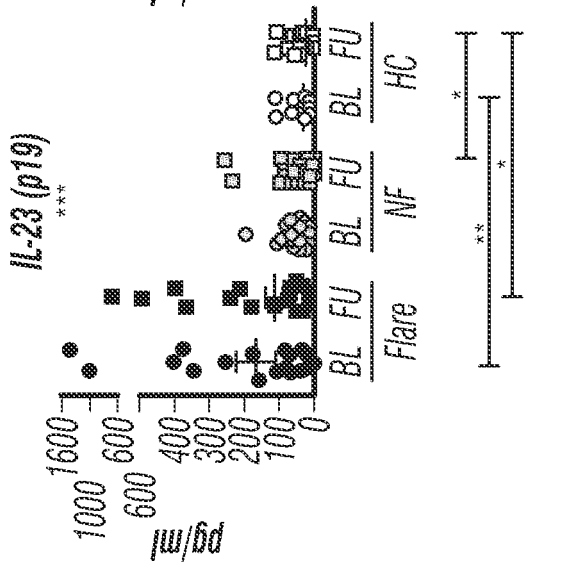
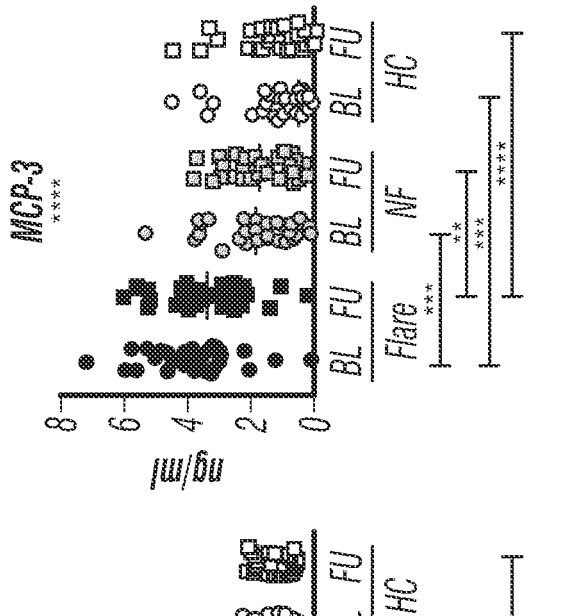
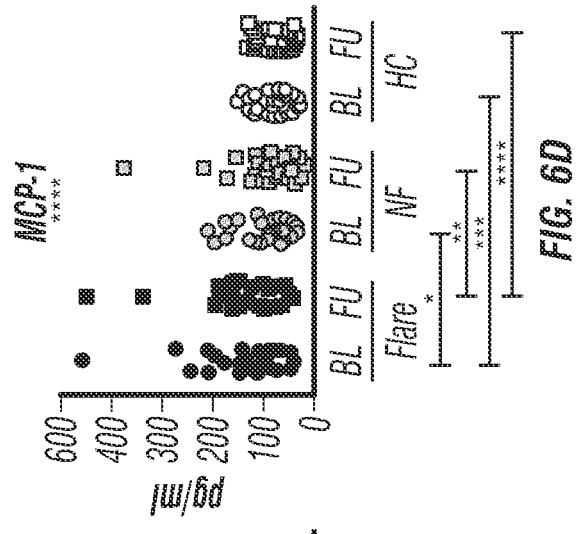

IL-23 (p19)
pg/ml
BL FU BL FU BL FU
Flare NF HC

FIG. 6C


MCP-3
ng/ml
BL FU BL FU BL FU
Flare NF HC


MCP-1
pg/ml
BL FU BL FU BL FU
Flare NF HC

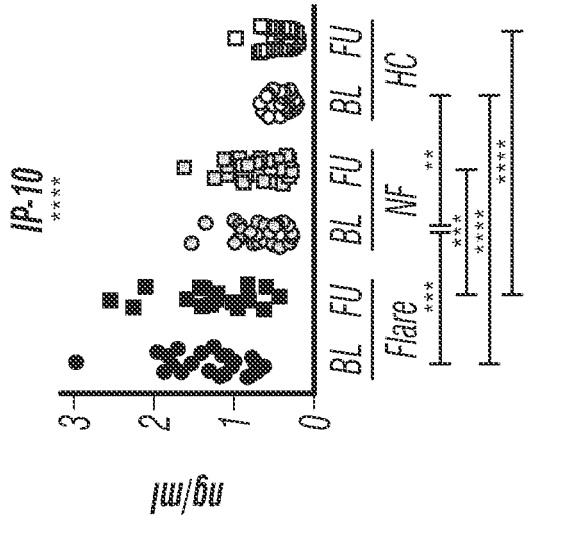

IP-10
ng/ml
BL FU BL FU BL FU
Flare NF HC

FIG. 6D

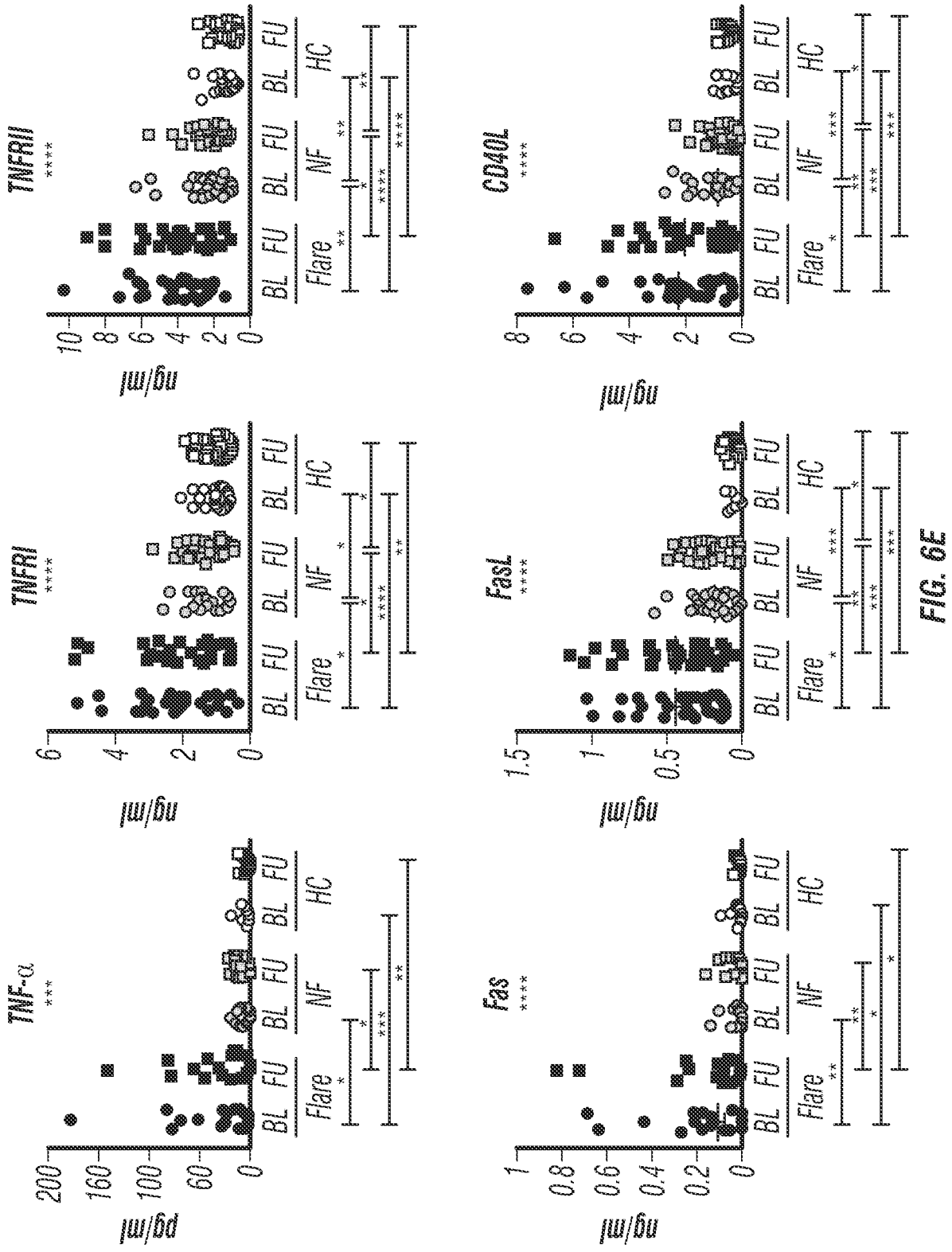

TNF-α
TNFRII
CD40L
TNFRI
FasL
Fas
pg/ml
ng/ml
BL FU BL FU BL FU
Flare NF HC

FIG. 6E

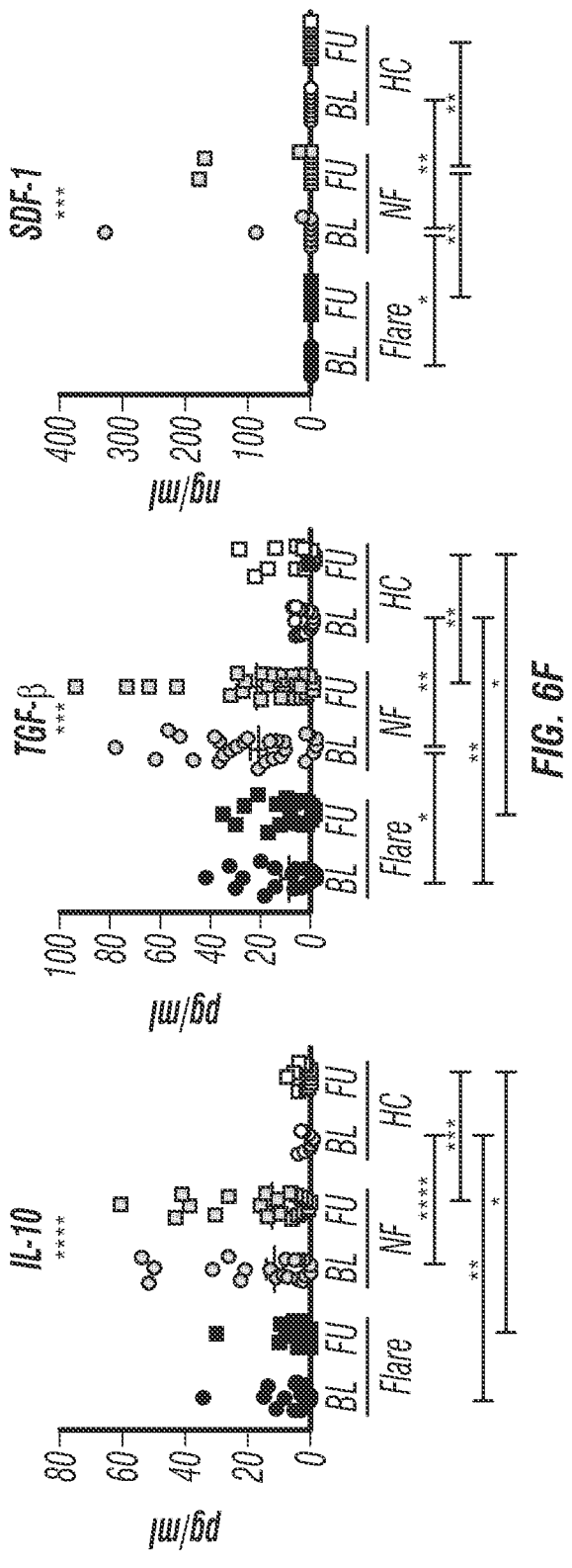

SDF-1
ng/ml
TGF-β
pg/ml
IL-10
pg/ml
BL FU BL FU BL FU
Flare NF HC

FIG. 6F

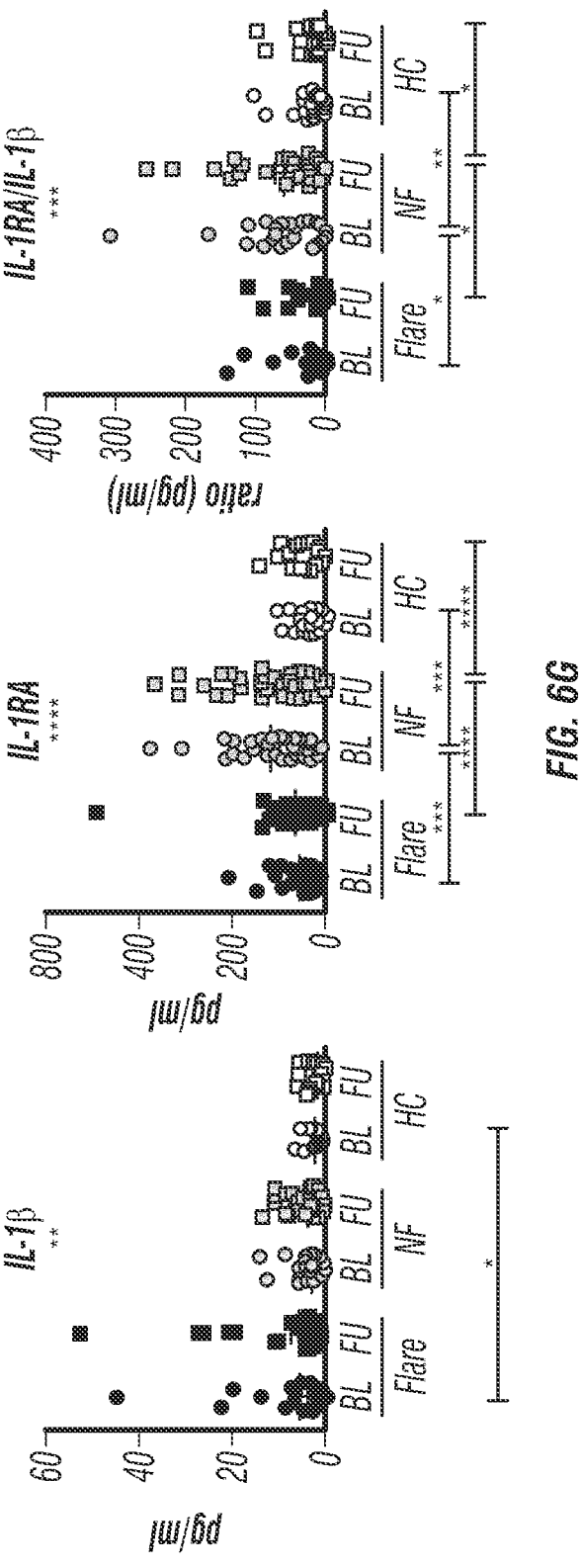

IL-1RA/IL-1β
ratio (pg/ml)
IL-1RA
pg/ml
IL-1β
pg/ml
BL FU BL FU BL FU
Flare NF HC

FIG. 6G

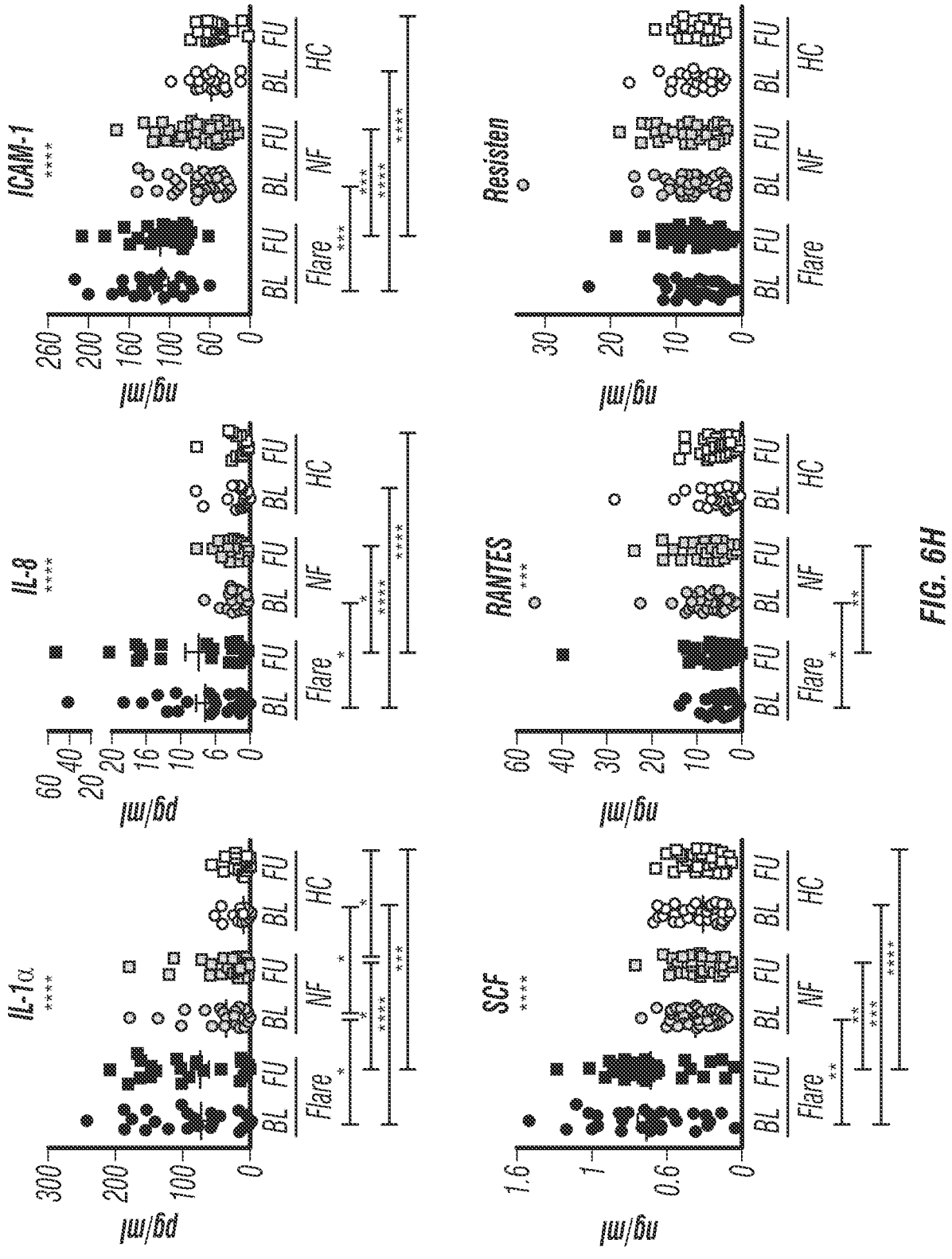

ICAM-1
Resistin
IL-8
RANTES
IL-1α
SCF
ng/ml
pg/ml
BL FU BL FU BL FU BL FU
Flare NF HC

FIG. 6H

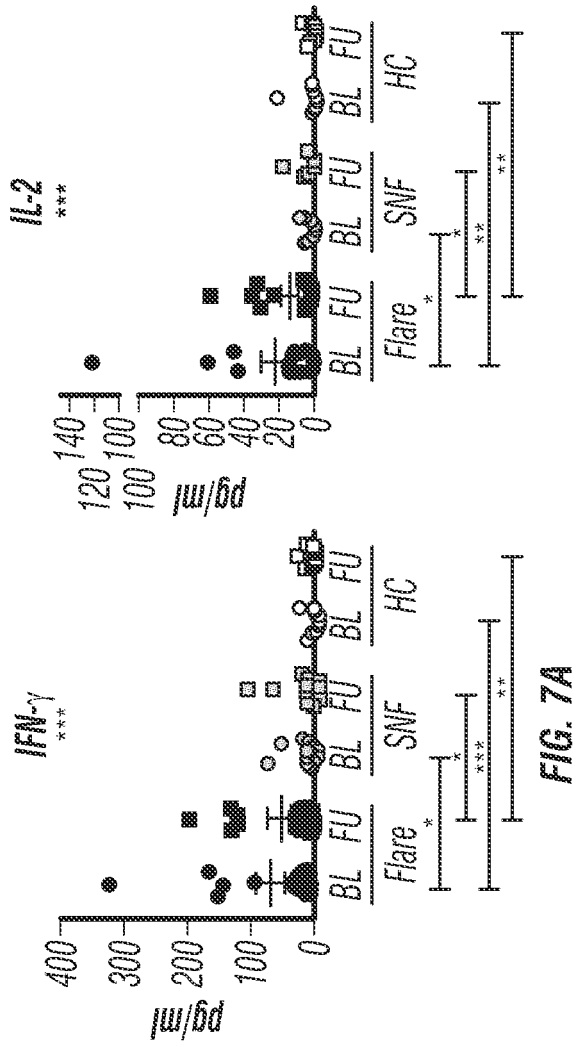

IL-2
***
pg/ml
140
120
100
80
60
40
20
0
BL FU BL FU BL FU BL FU
Flare SNF HC
IFN-γ
***
pg/ml
400
300
200
100
0
BL FU BL FU BL FU BL FU
Flare SNF HC
IL-12 (p70)
***
pg/ml
300
200
100
0
BL FU BL FU BL FU BL FU
Flare SNF HC

FIG. 7A

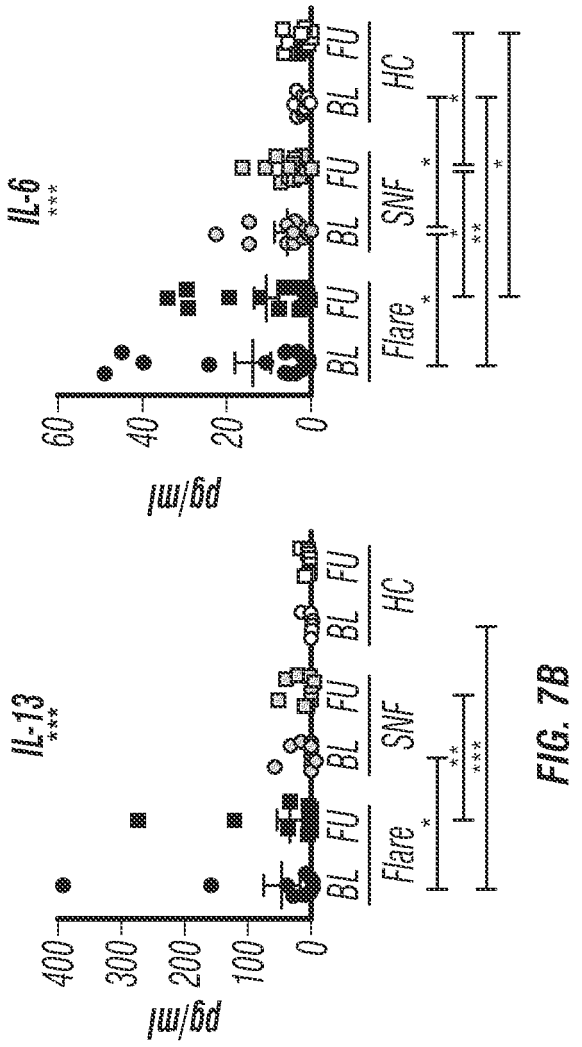
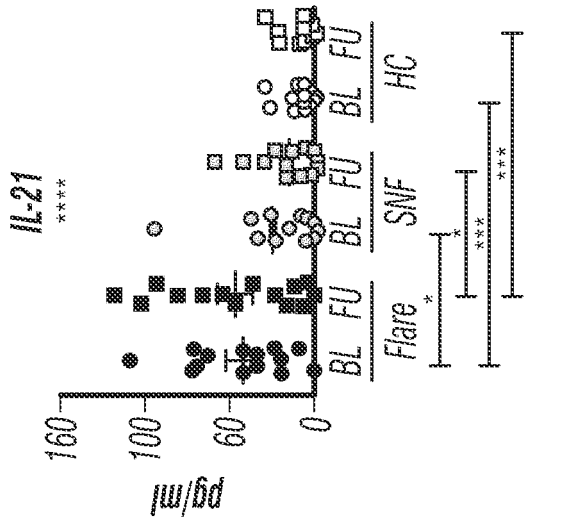

IL-6
***
pg/ml
60
40
20
0
BL FU BL FU BL FU BL FU
Flare SNF HC
IL-13
***
pg/ml
400
300
200
100
0
BL FU BL FU BL FU BL FU
Flare SNF HC
IL-5
**
pg/ml
40.0
30.0
20.0
10.0
0
BL FU BL FU BL FU BL FU
Flare SNF HC

FIG. 7B


IL-21
****
pg/ml
160
100
60
0
BL FU BL FU BL FU BL FU
Flare SNF HC
*
*
***
***

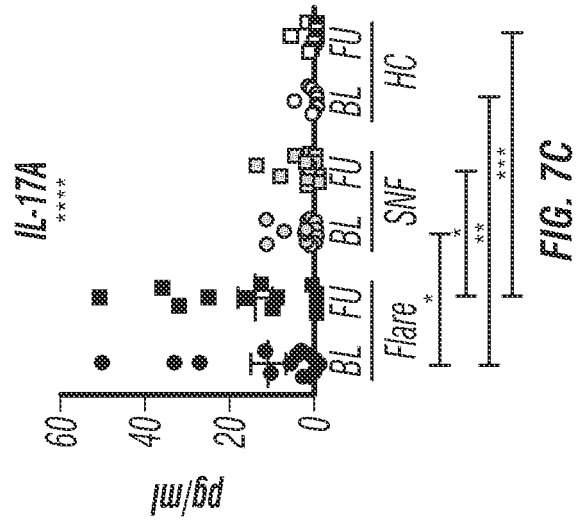
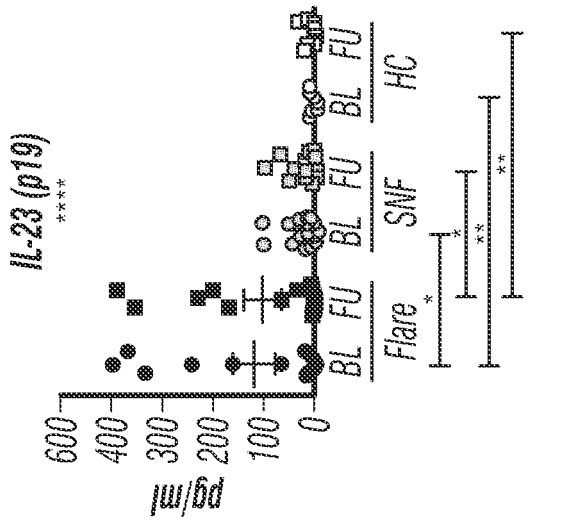
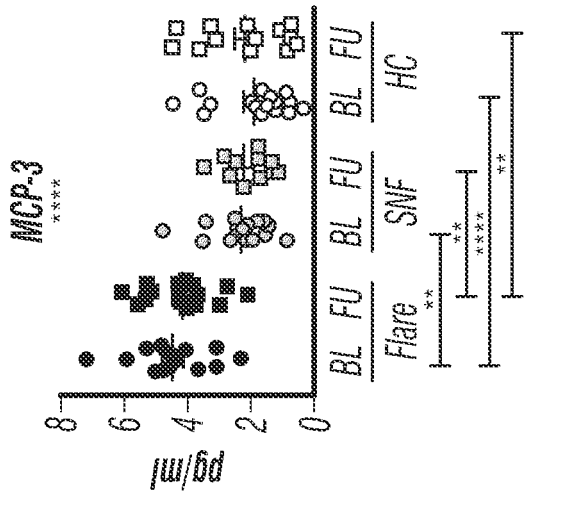

IL-17A
****
pg/ml
60
40
20
0
BL FU BL FU BL FU BL FU
Flare SNF HC
*
**
***

FIG. 7C


IL-23 (p19)
****
pg/ml
600
400
300
200
100
0
BL FU BL FU BL FU BL FU
Flare SNF HC
*
*
**
**


MCP-3
****
pg/ml
8
6
4
2
0
BL FU BL FU BL FU BL FU
Flare SNF HC
**
**
****
**

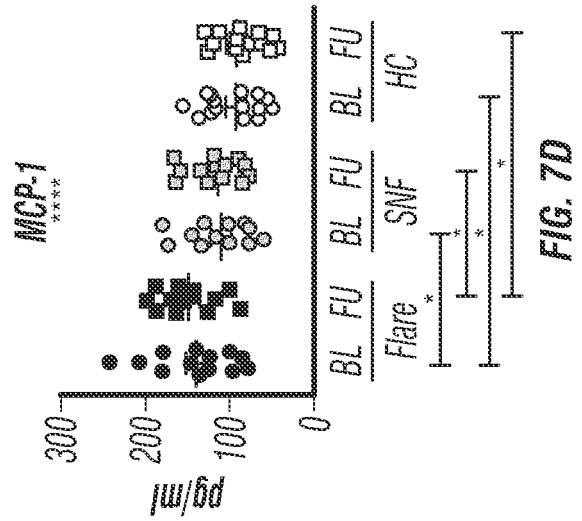
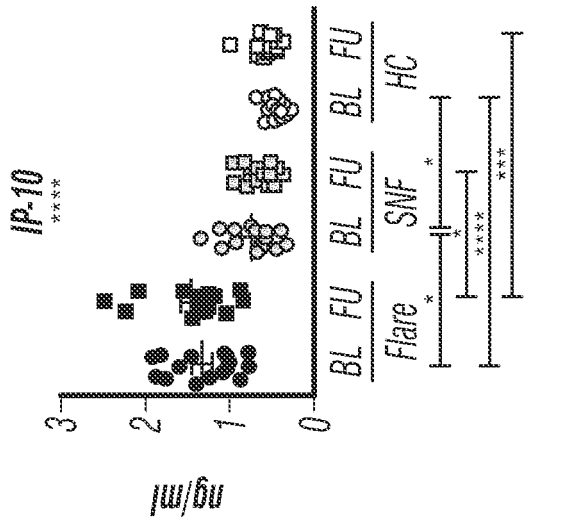

MCP-1
****
pg/ml
300
200
100
0
BL FU BL FU BL FU BL FU
Flare SNF HC
*
*
*

FIG. 7D


IP-10
****
ng/ml
3
2
1
0
BL FU BL FU BL FU BL FU
Flare SNF HC
*
*
****
***

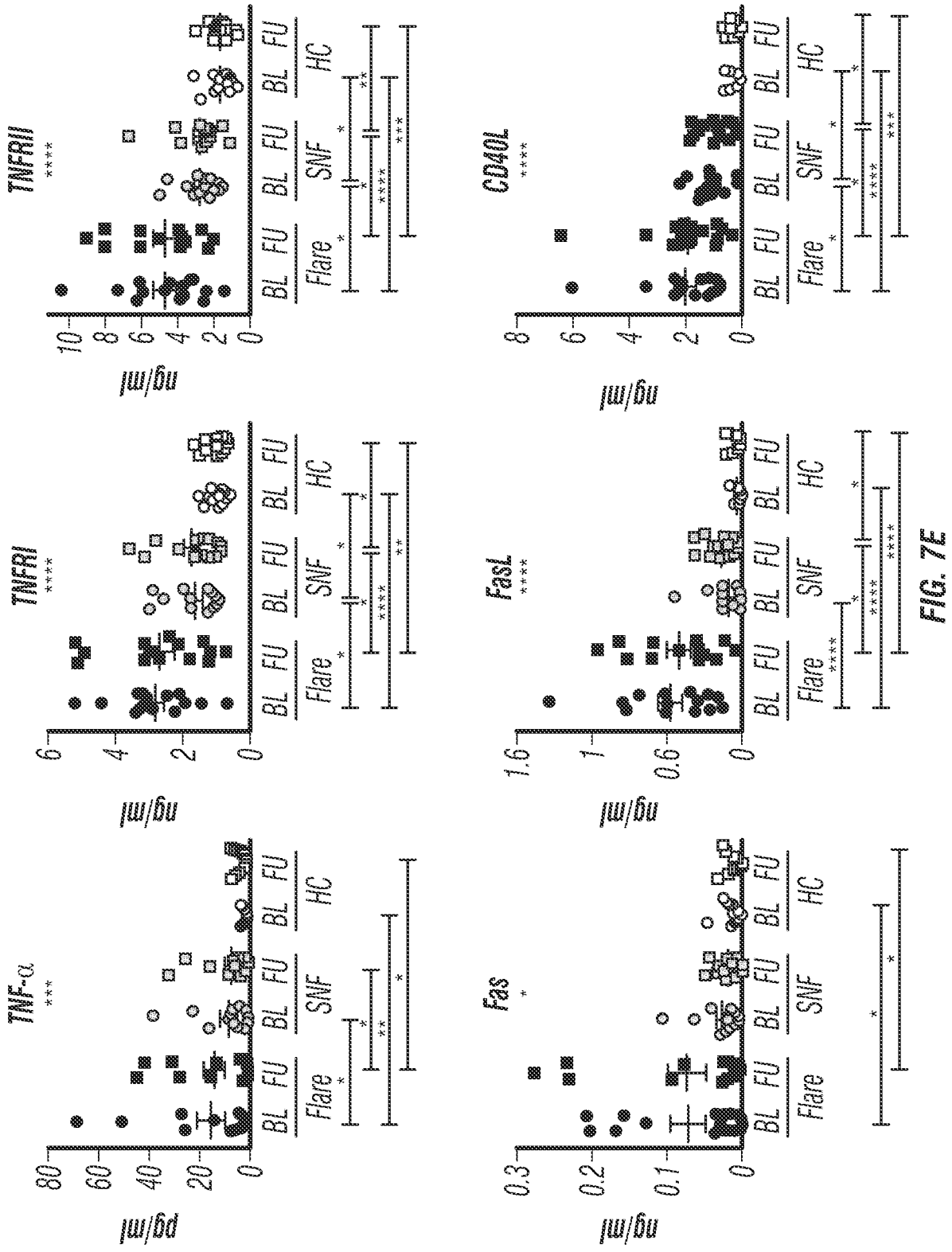

TNFRII
TNFRI
CD40L
TNF-α
FasL
Fas
pg/ml
ng/ml
BL FU BL FU BL FU BL FU
Flare SNF HC

FIG. 7E

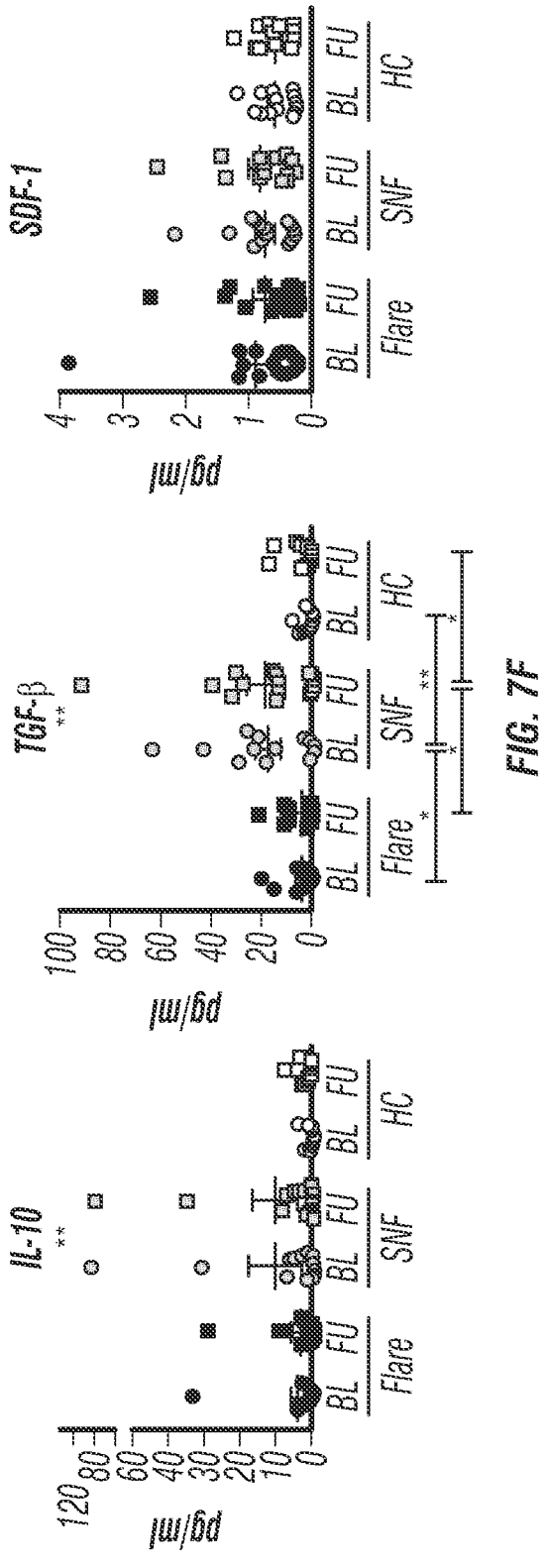

IL-10
TGF-β
SDF-1
pg/ml
BL FU BL FU BL FU BL FU
Flare SNF HC

FIG. 7F

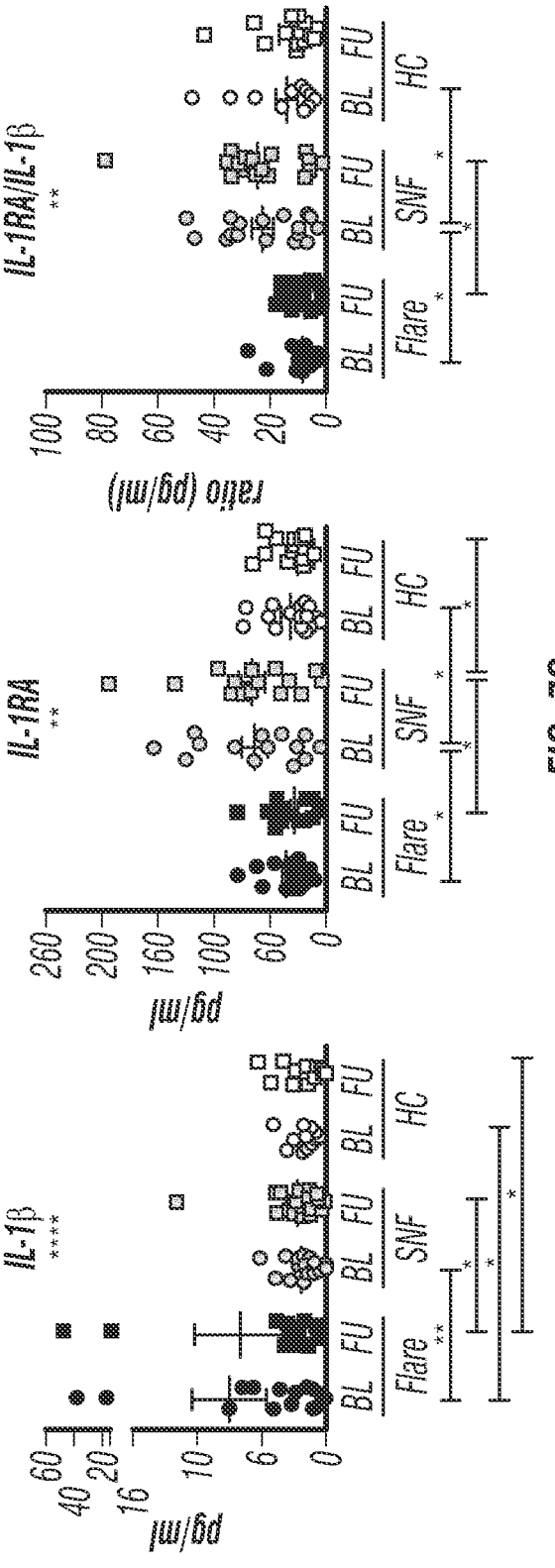

IL-1β
IL-1RA
IL-1RA/IL-1β
pg/ml
ratio (pg/ml)
BL FU BL FU BL FU BL FU
Flare SNF HC

FIG. 7G

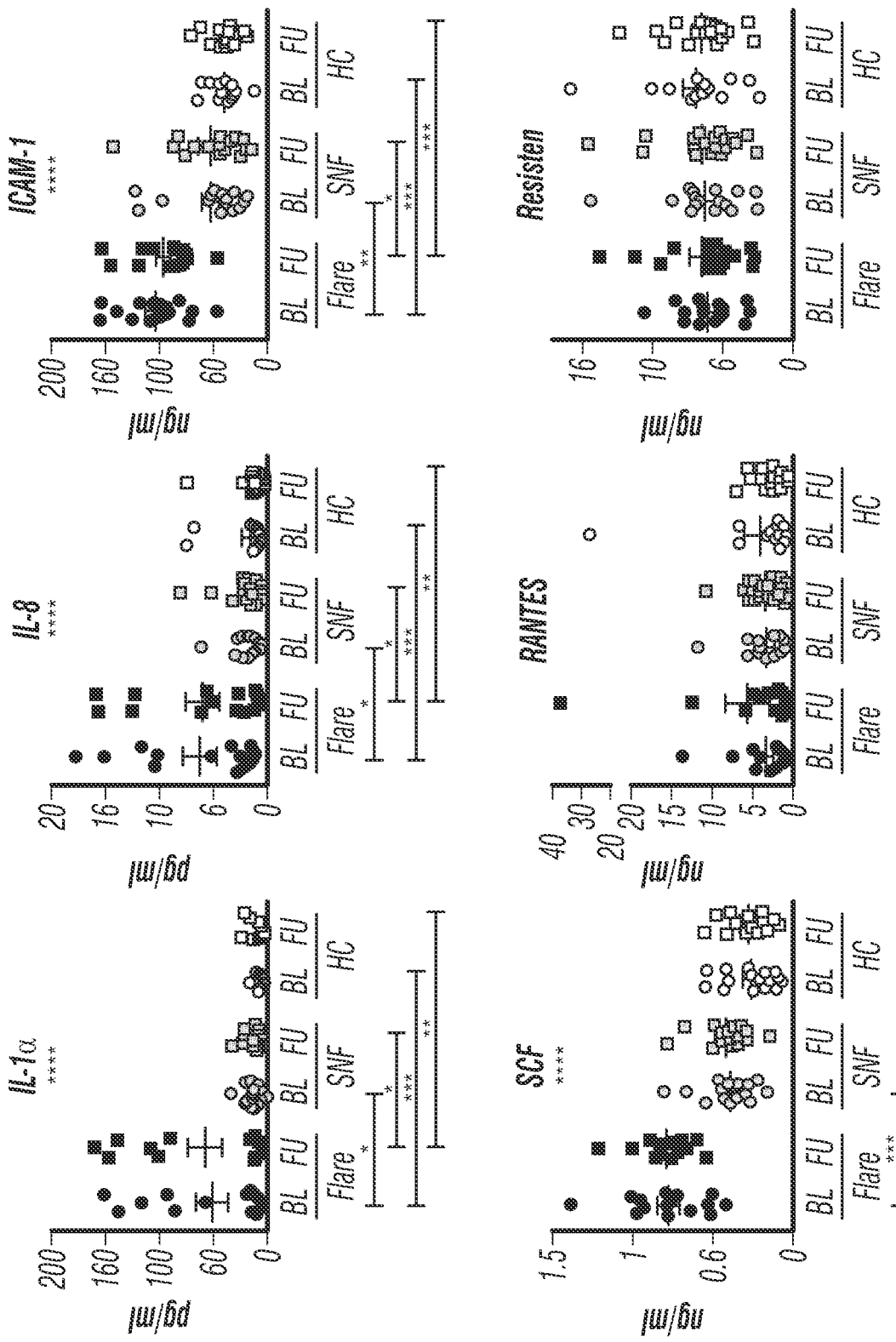
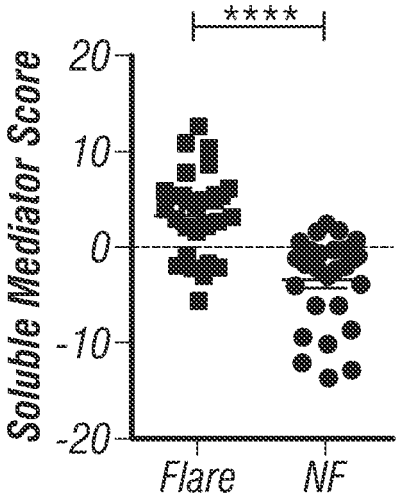
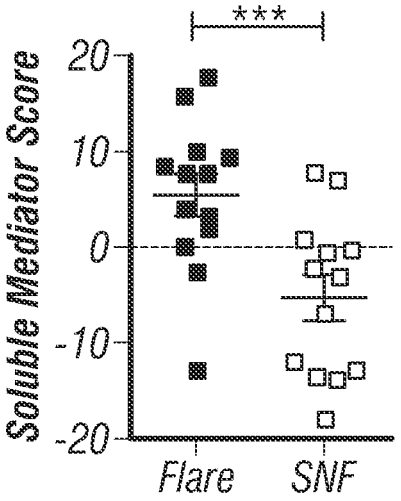

ICAM-1
Resistin
IL-8
RANTES
IL-1α
SCF
pg/ml
ng/ml
BL FU BL FU BL FU
Flare SNF HC

FIG. 7H





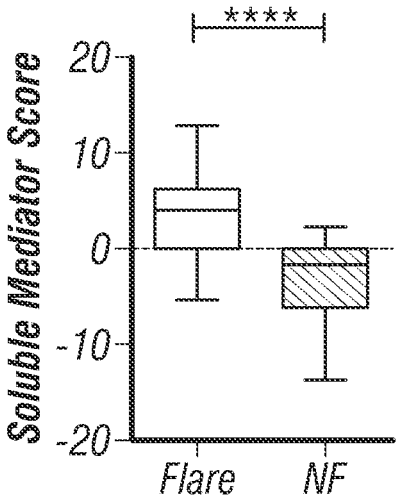


FIG. 8A

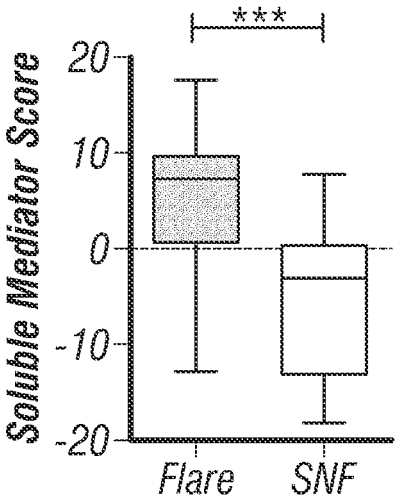


FIG. 8B

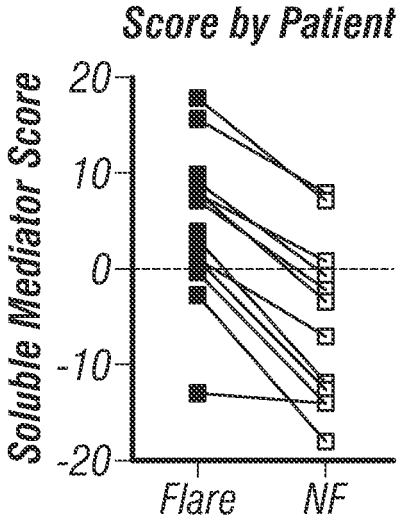
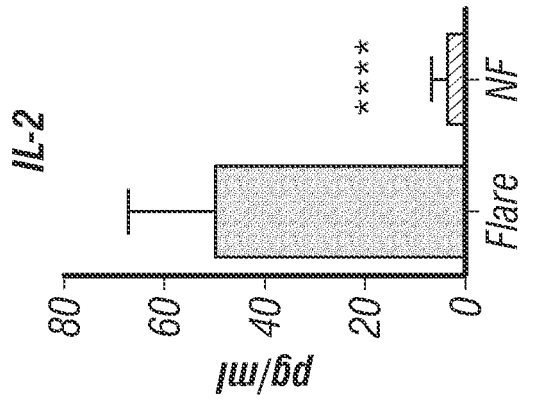
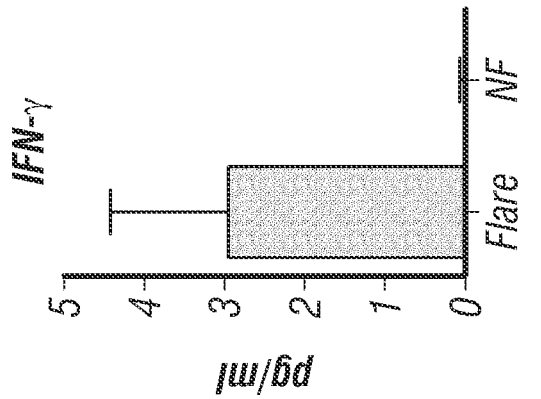


FIG. 8C


IL-2
pg/ml
80
60
40
20
0
****
Flare
NF


IFN-γ
pg/ml
5
4
3
2
1
0
Flare
NF

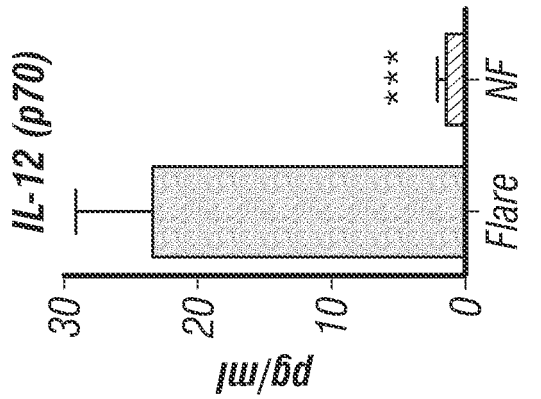
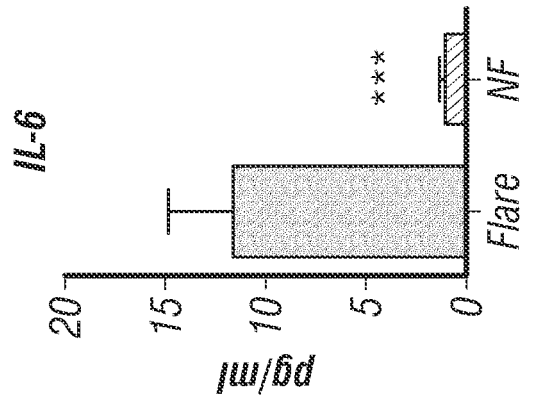
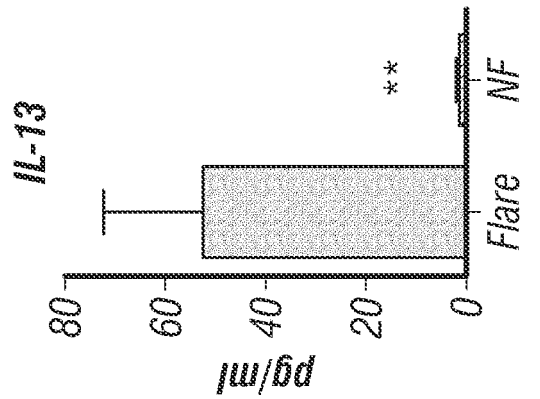

IL-12 (p70)
pg/ml
30
20
10
0
***
Flare
NF

FIG. 9A


IL-6
pg/ml
20
15
10
5
0
***
Flare
NF


IL-13
pg/ml
80
60
40
20
0
**
Flare
NF

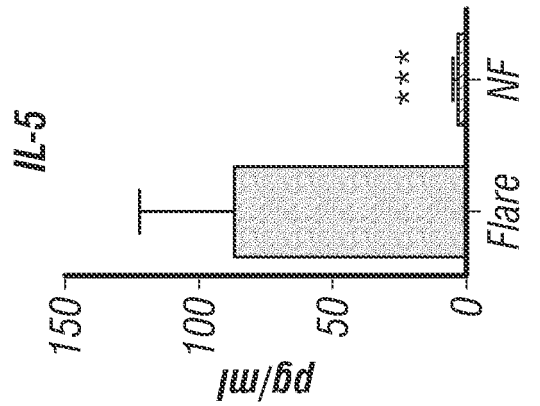

IL-5
pg/ml
150
100
50
0
***
Flare
NF

FIG. 9B

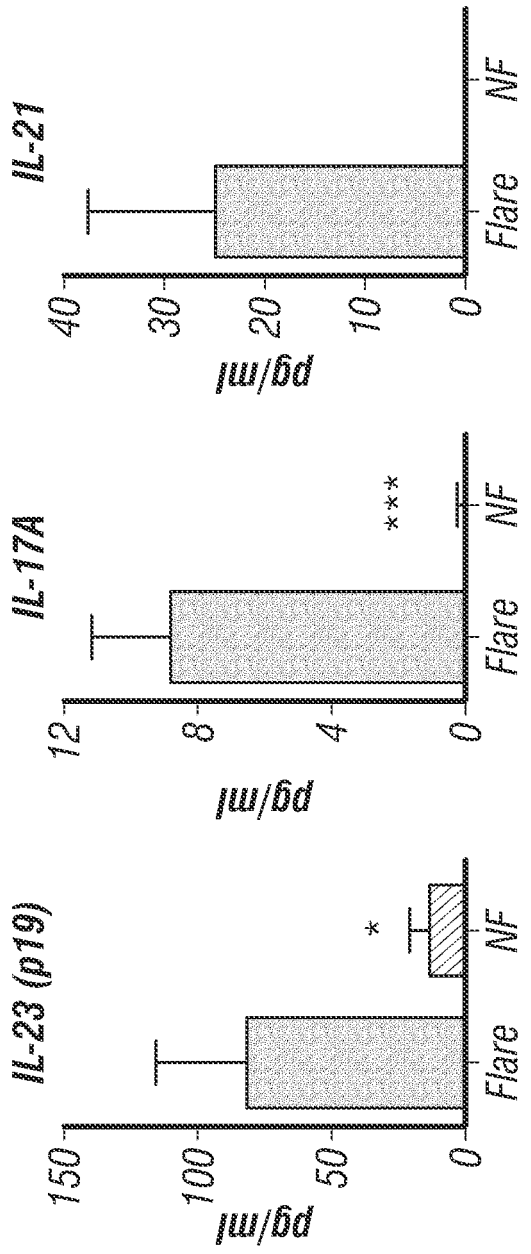

IL-21
pg/ml
40
30
20
10
0
Flare
NF
IL-17A
pg/ml
12
8
4
0
***
Flare
NF
IL-23 (p19)
pg/ml
150
100
50
0
*
Flare
NF

FIG. 9C

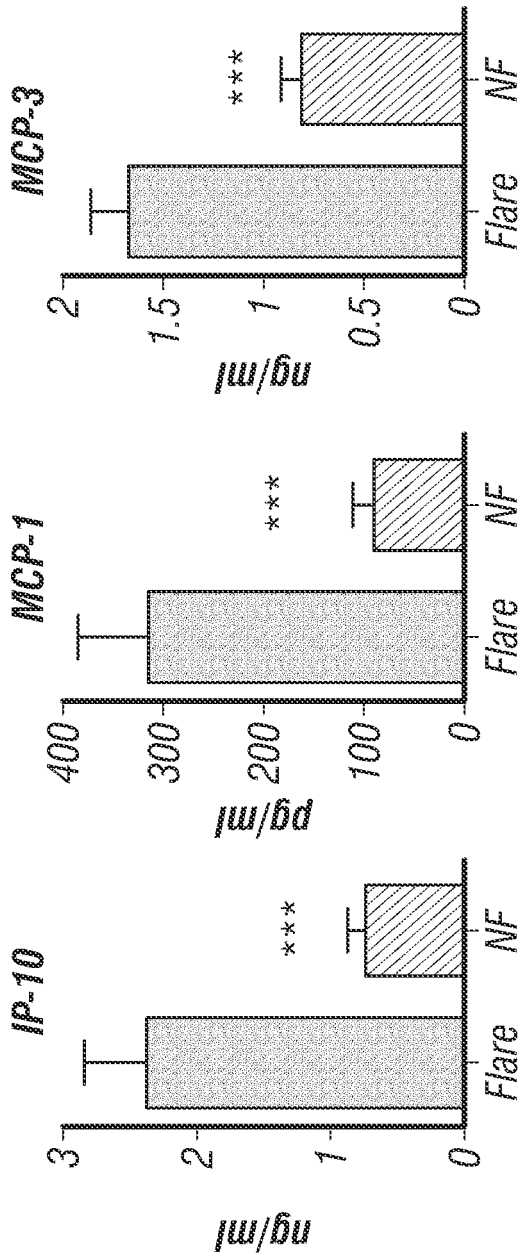

MCP-3
ng/ml
2
1.5
1
0.5
0
***
Flare
NF
MCP-1
pg/ml
400
300
200
100
0
***
Flare
NF
IP-10
ng/ml
3
2
1
0
***
Flare
NF

FIG. 9D

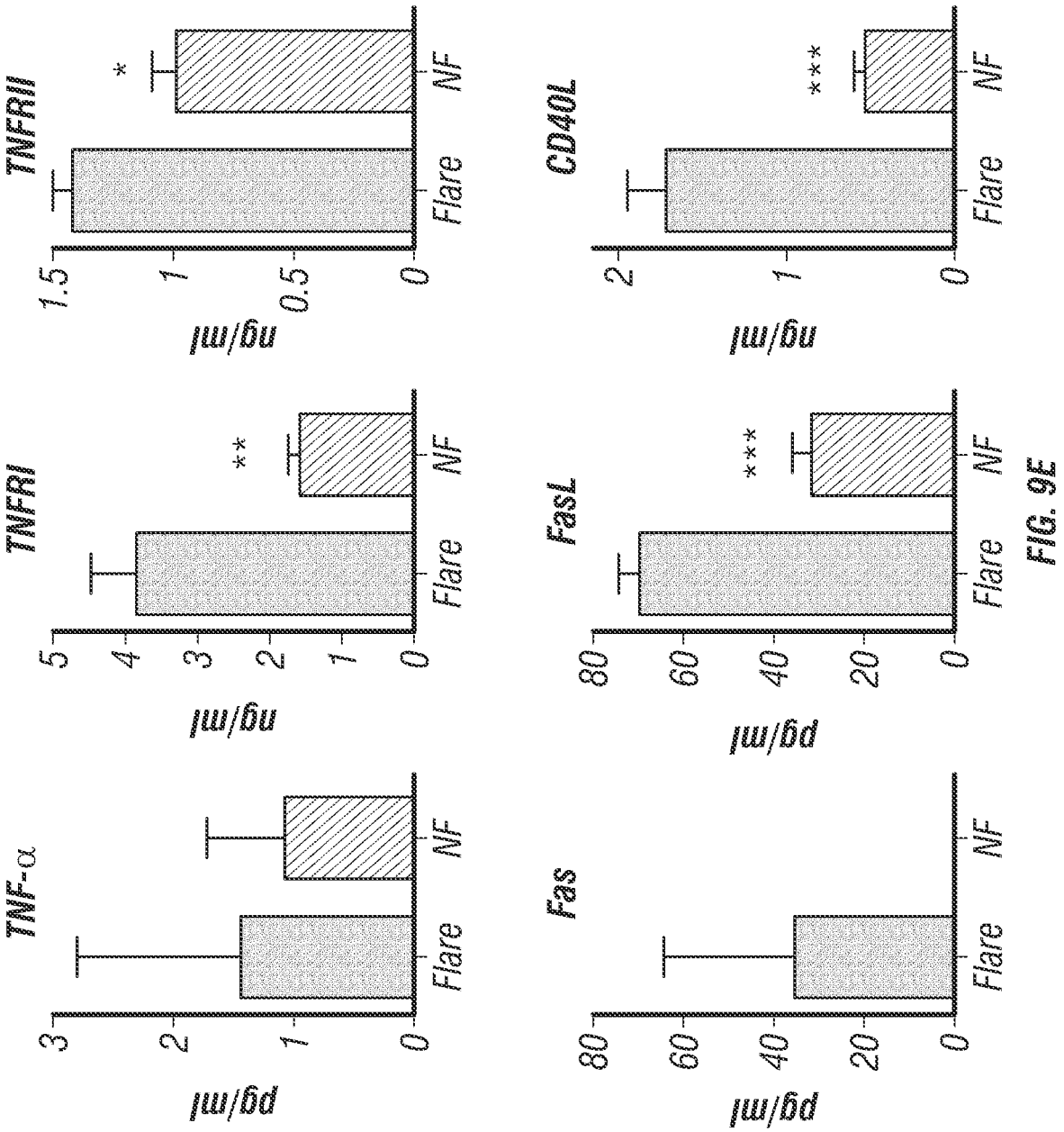
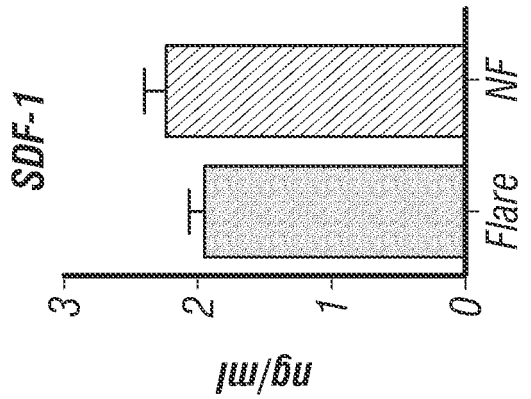
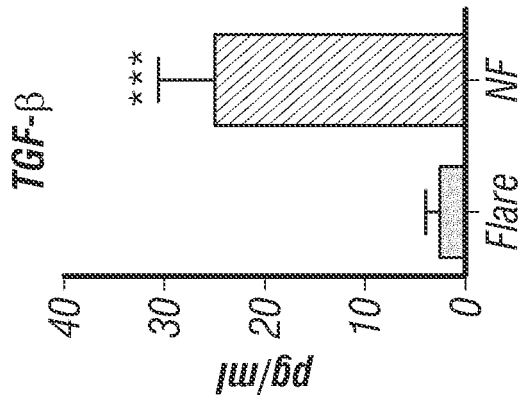

TNF-α
pg/ml
3
2
1
0
Flare
NF
TNFRI
ng/ml
5
4
3
2
1
0
**
Flare
NF
TNFRII
ng/ml
1.5
1
0.5
0
*
Flare
NF
Fas
pg/ml
80
60
40
20
0
Flare
NF
FasL
pg/ml
80
60
40
20
0
***
Flare
NF
CD40L
ng/ml
2
1
0
***
Flare
NF

FIG. 9E


SDF-1
ng/ml
3
2
1
0
Flare
NF


TGF-β
pg/ml
***
40
30
20
10
0
Flare
NF

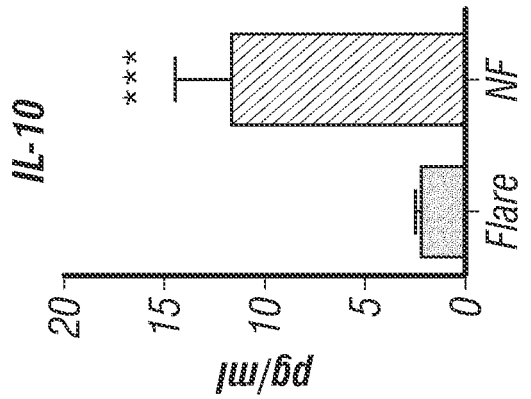
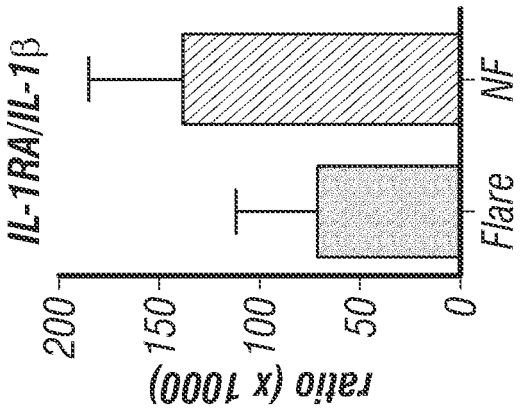
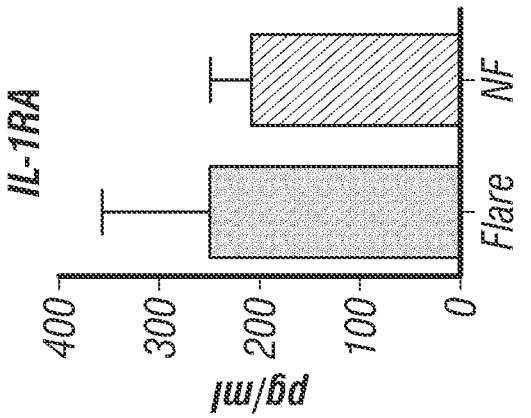

IL-10
pg/ml
***
20
15
10
5
0
Flare
NF

FIG. 9F


IL-1RA/IL-1β
ratio (x 1000)
200
150
100
50
0
Flare
NF


IL-1RA
pg/ml
400
300
200
100
0
Flare
NF

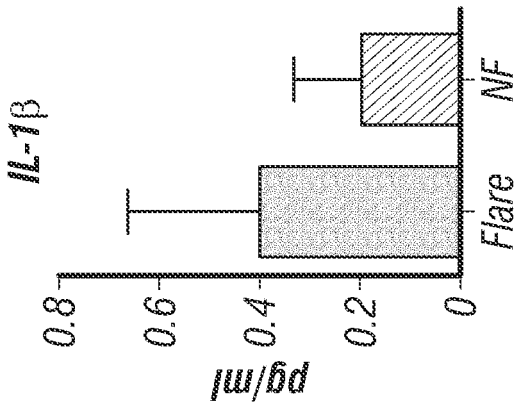
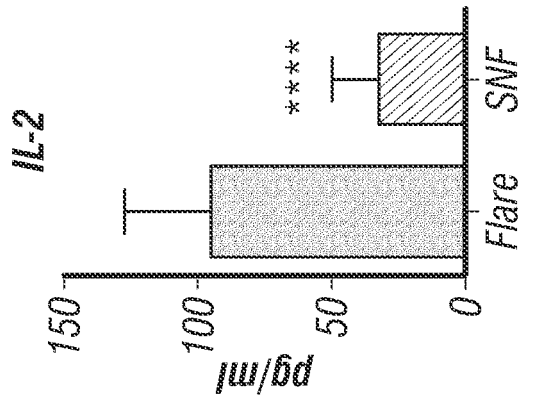
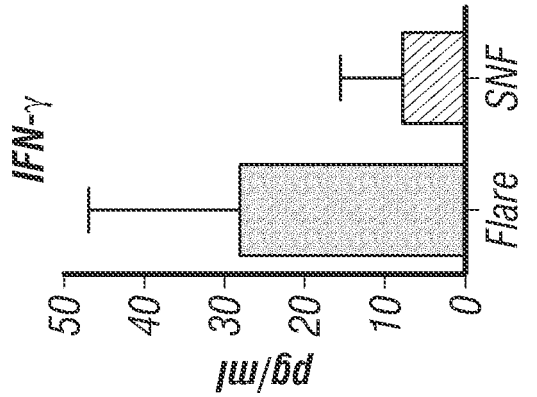

IL-1β
pg/ml
0.8
0.6
0.4
0.2
0
Flare
NF

FIG. 9G





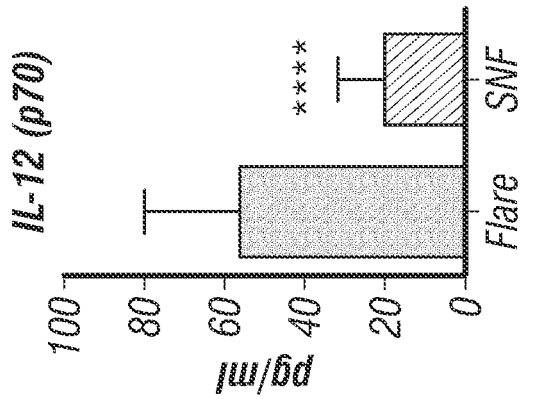
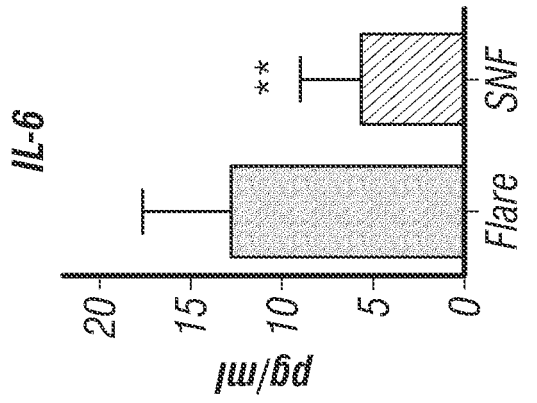
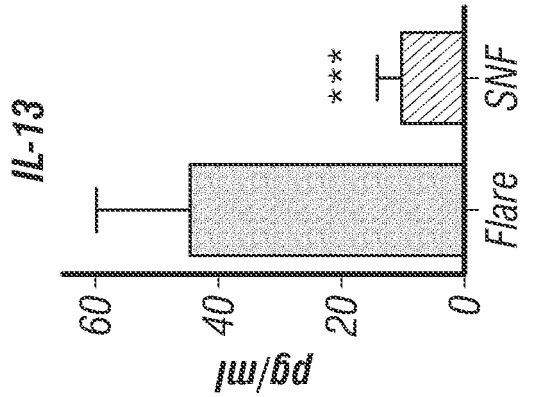


FIG. 10A





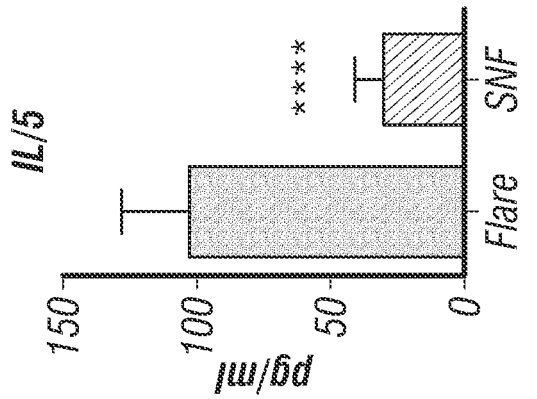
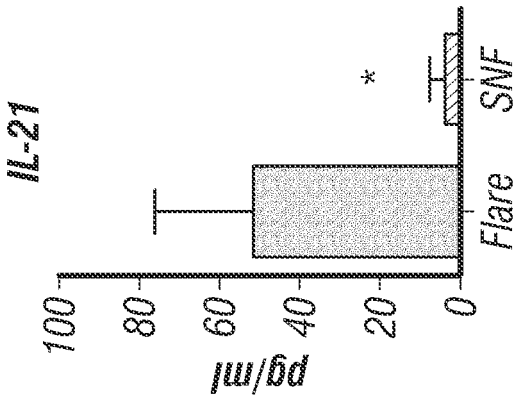
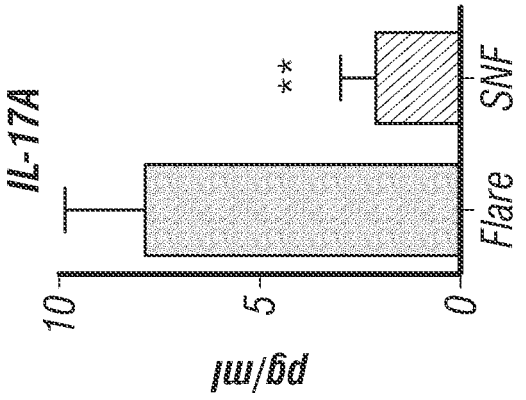


FIG. 10B





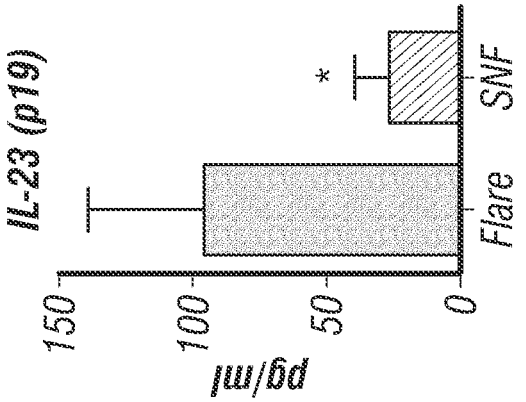
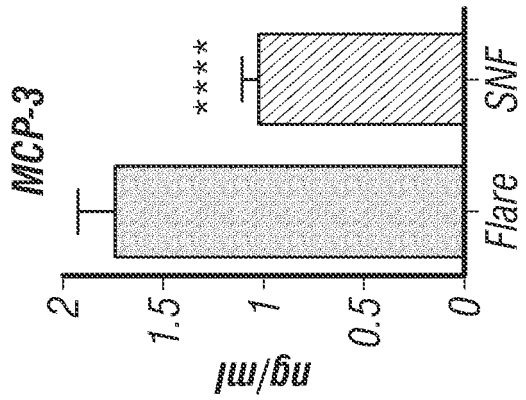
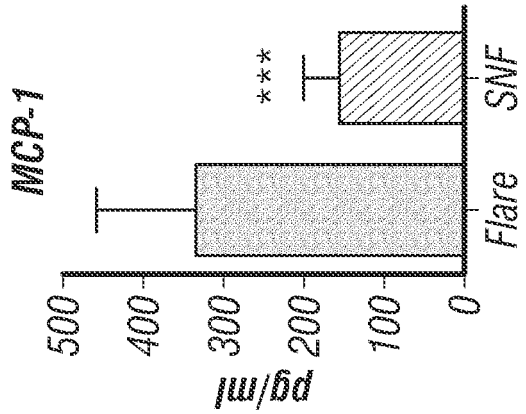


FIG. 10C





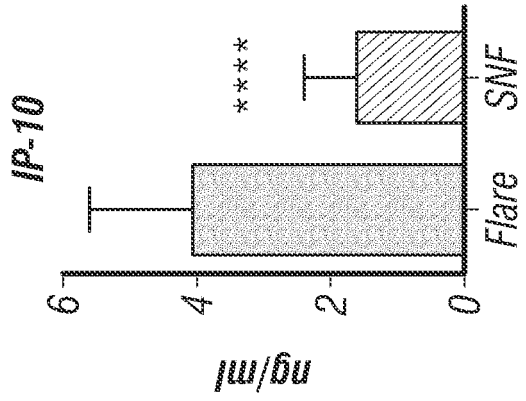


FIG. 10D

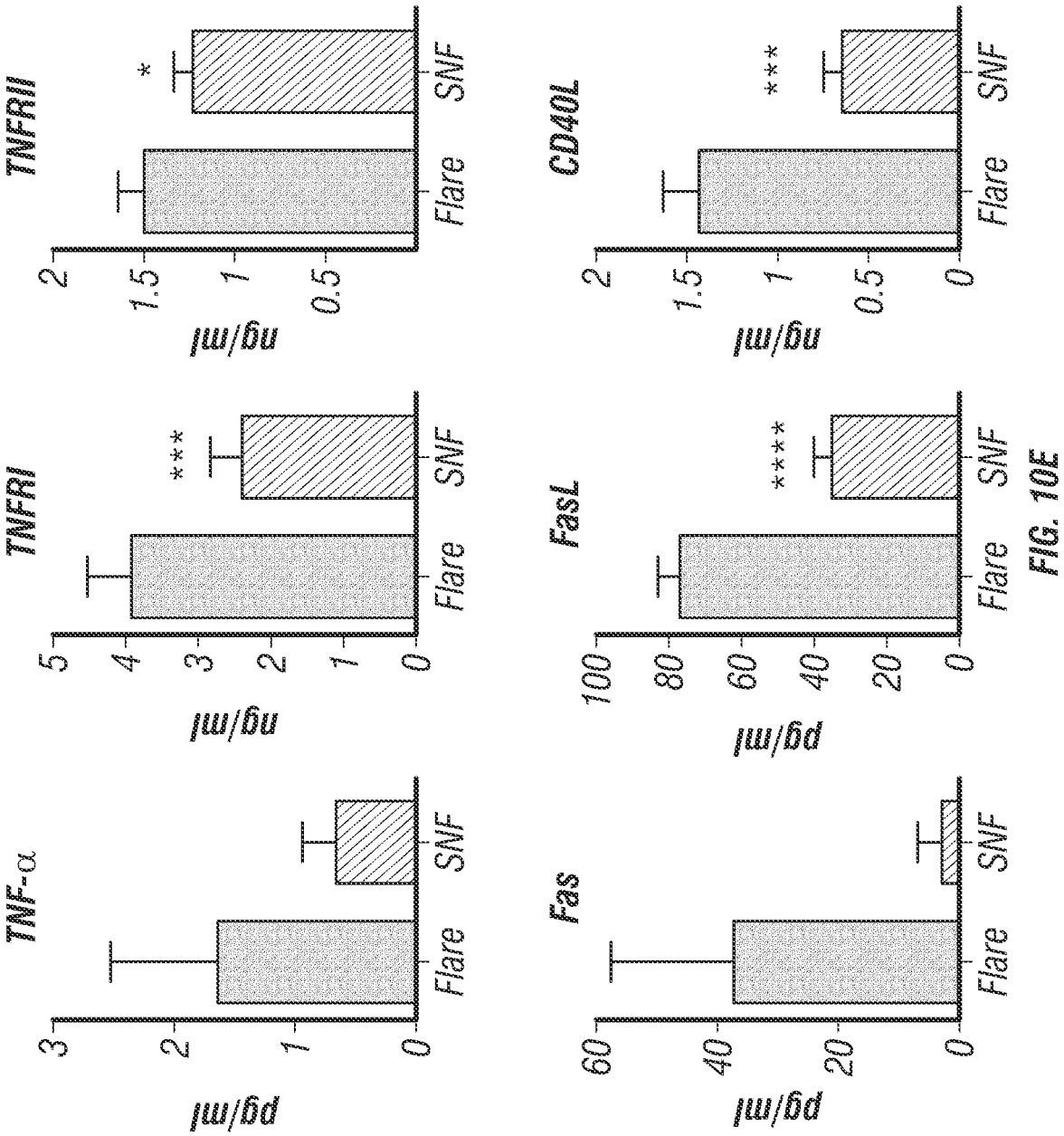

TNFRII
*
ng/ml
2
1.5
1
0.5
Flare
SNF
CD40L
***
ng/ml
2
1.5
1
0.5
0
Flare
SNF
TNFRI
***
ng/ml
5
4
3
2
1
0
Flare
SNF
FasL
****
pg/ml
100
80
60
40
20
0
Flare
SNF
TNF-α
pg/ml
3
2
1
0
Flare
SNF
Fas
pg/ml
60
40
20
0
Flare
SNF

FIG. 10E

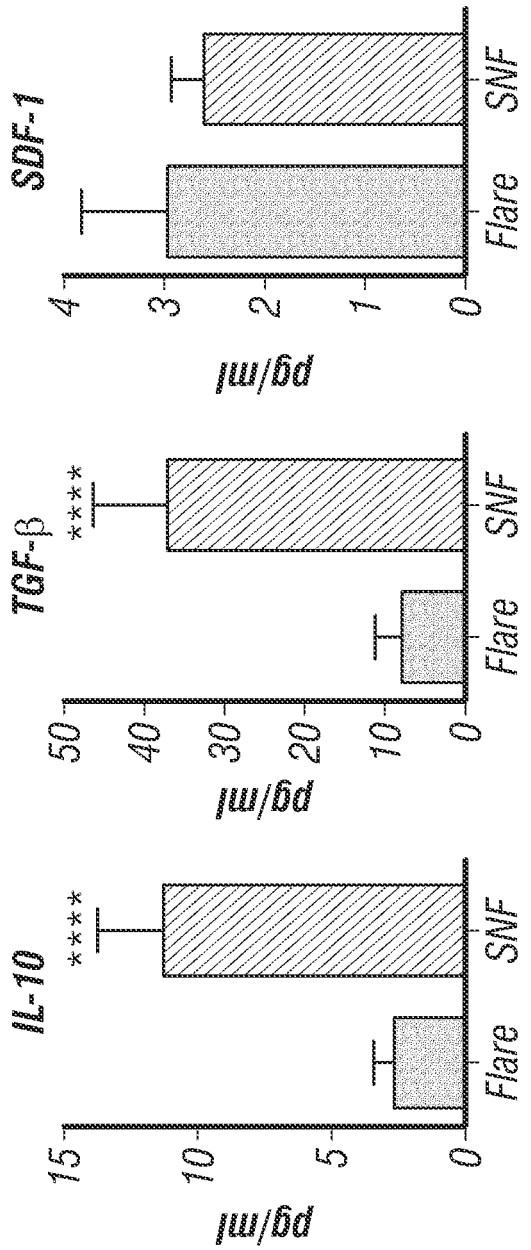
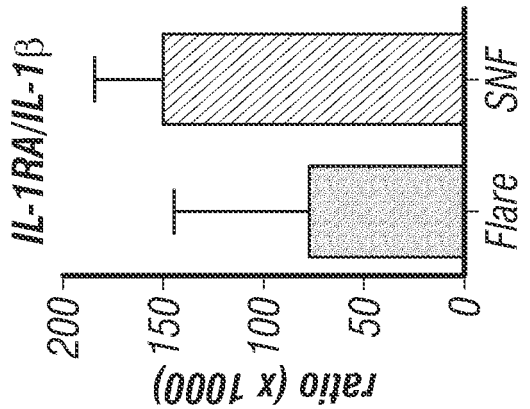
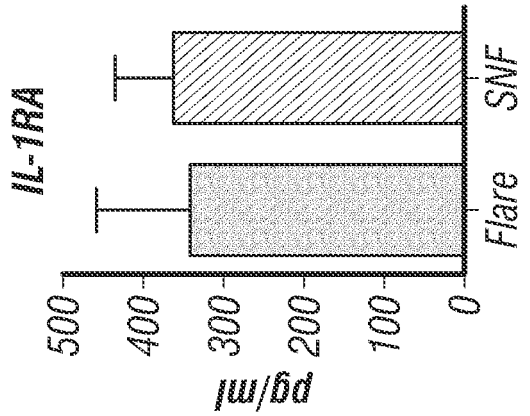


FIG. 10F





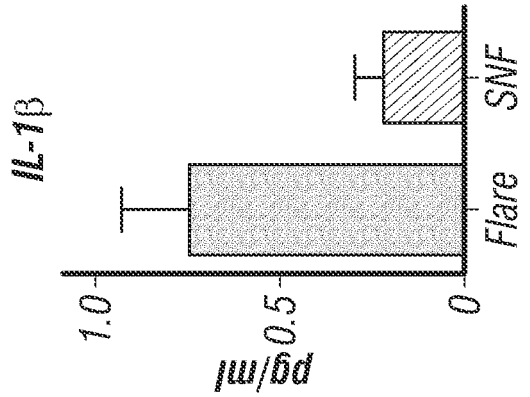


FIG. 10G

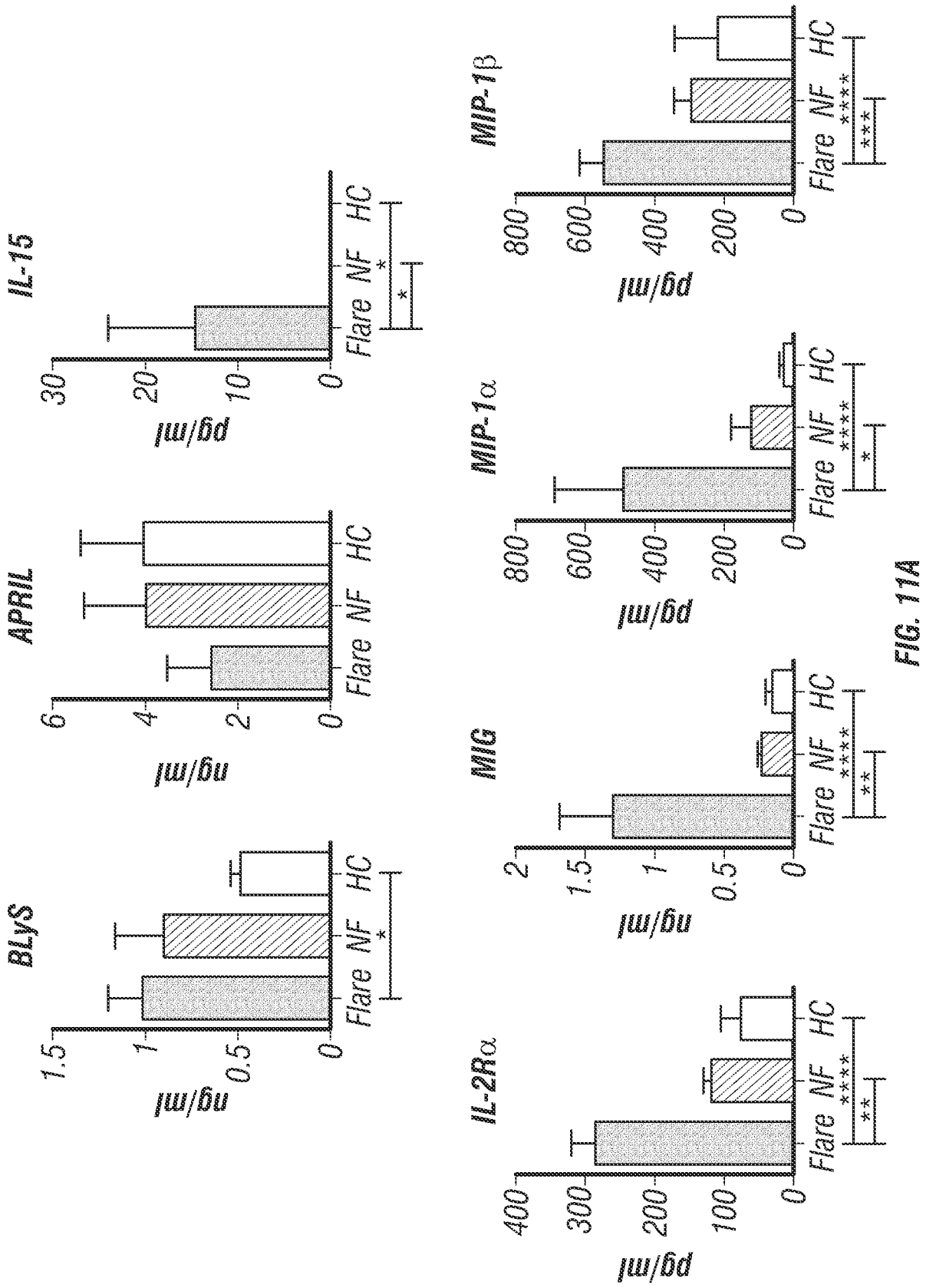

IL-15
pg/ml
30
20
10
0
Flare NF HC
*
*
APRIL
ng/ml
6
4
2
0
Flare NF HC
BLyS
ng/ml
1.5
1
0.5
0
Flare NF HC
*
MIP-1β
pg/ml
800
600
400
200
0
Flare NF HC
****
***
MIP-1α
pg/ml
800
600
400
200
0
Flare NF HC
****
*
MIG
ng/ml
2
1.5
1
0.5
0
Flare NF HC
****
**
IL-2Rα
pg/ml
400
300
200
100
0
Flare NF HC
****
**

FIG. 11A

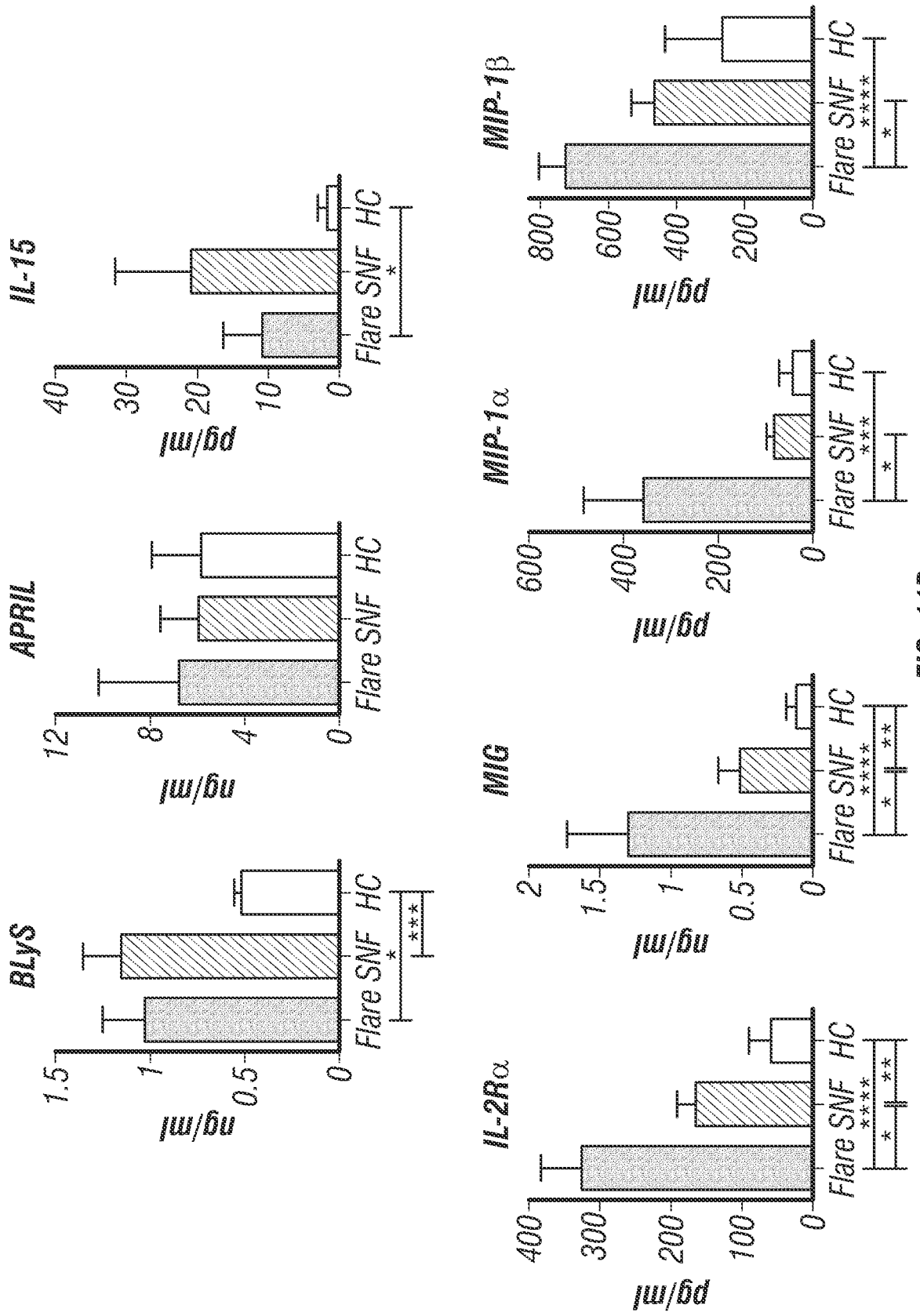
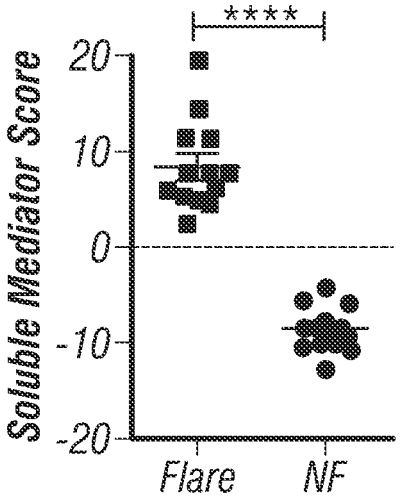
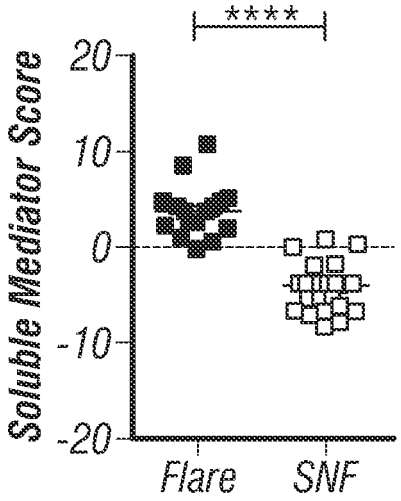

IL-15
pg/ml
40
30
20
10
0
Flare SNF HC
*
APRIL
ng/ml
12
8
4
0
Flare SNF HC
BLyS
ng/ml
1.5
1
0.5
0
Flare SNF HC
*
***
MIP-1β
pg/ml
800
600
400
200
0
Flare SNF HC
****
*
MIP-1α
pg/ml
600
400
200
0
Flare SNF HC
***
*
MIG
ng/ml
2
1.5
1
0.5
0
Flare SNF HC
****
*
**
IL-2Rα
pg/ml
400
300
200
100
0
Flare SNF HC
****
*
**

FIG. 11B





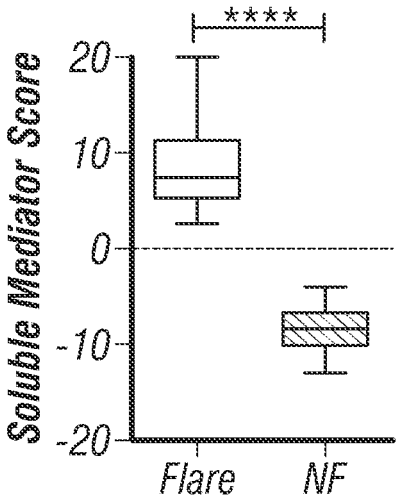


FIG. 12A

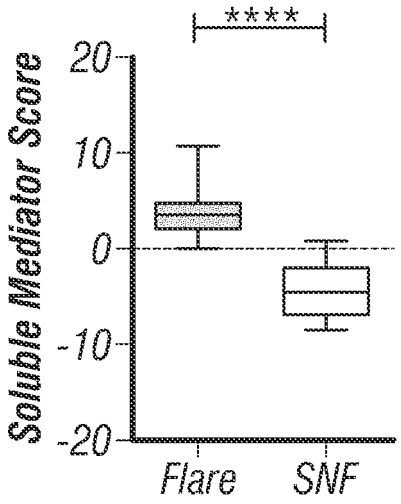


FIG. 12B

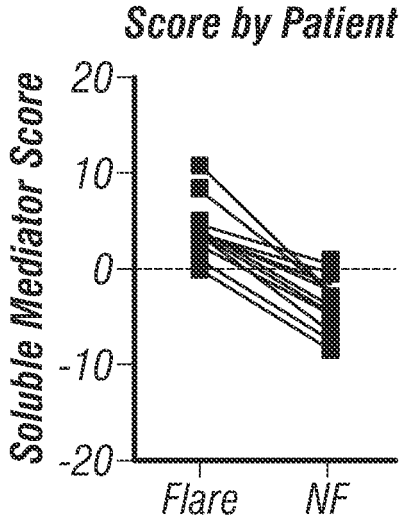
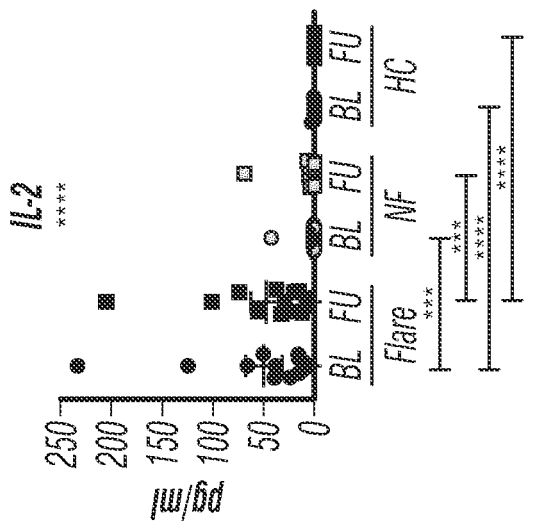
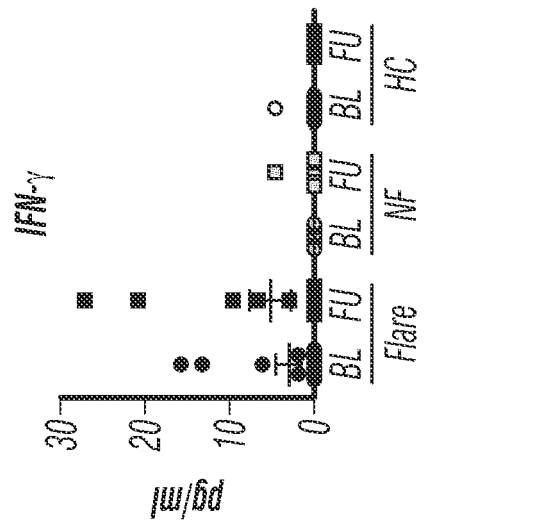


FIG. 12C





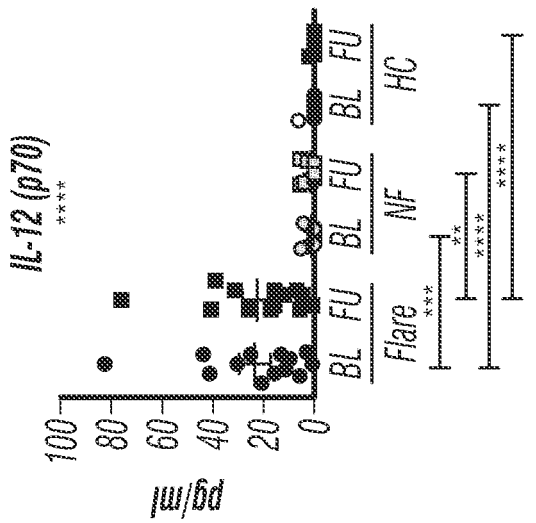
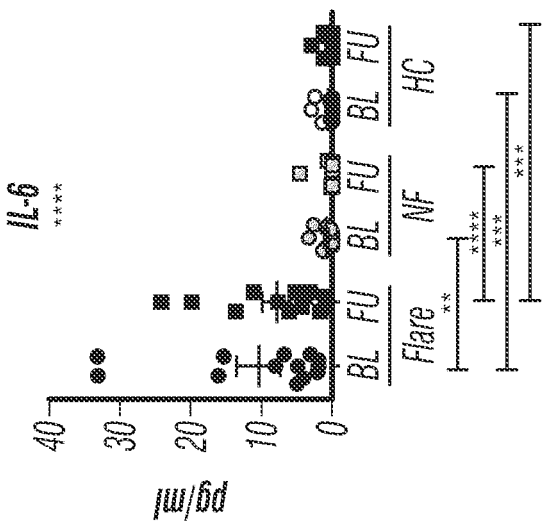
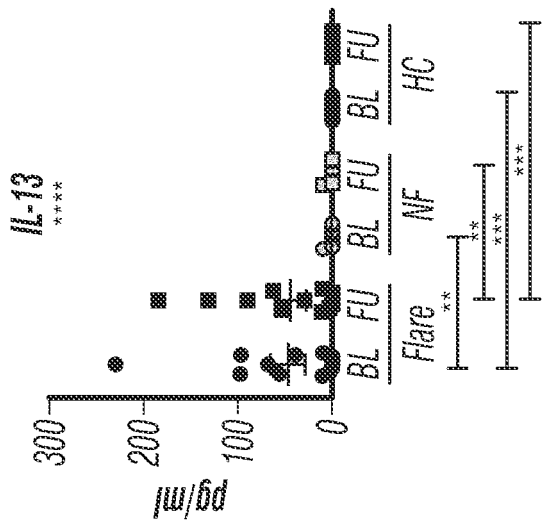


FIG. 13A





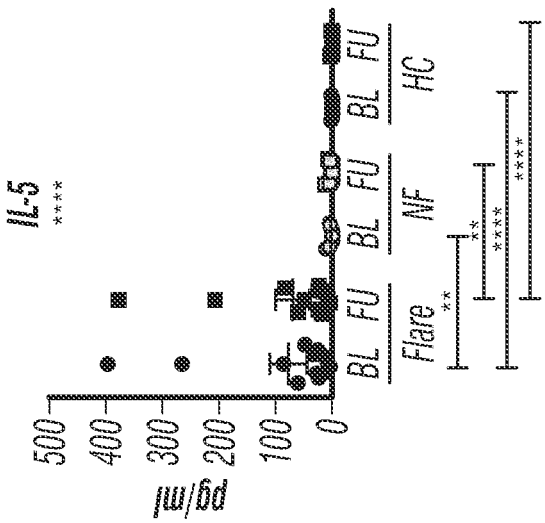


FIG. 13B

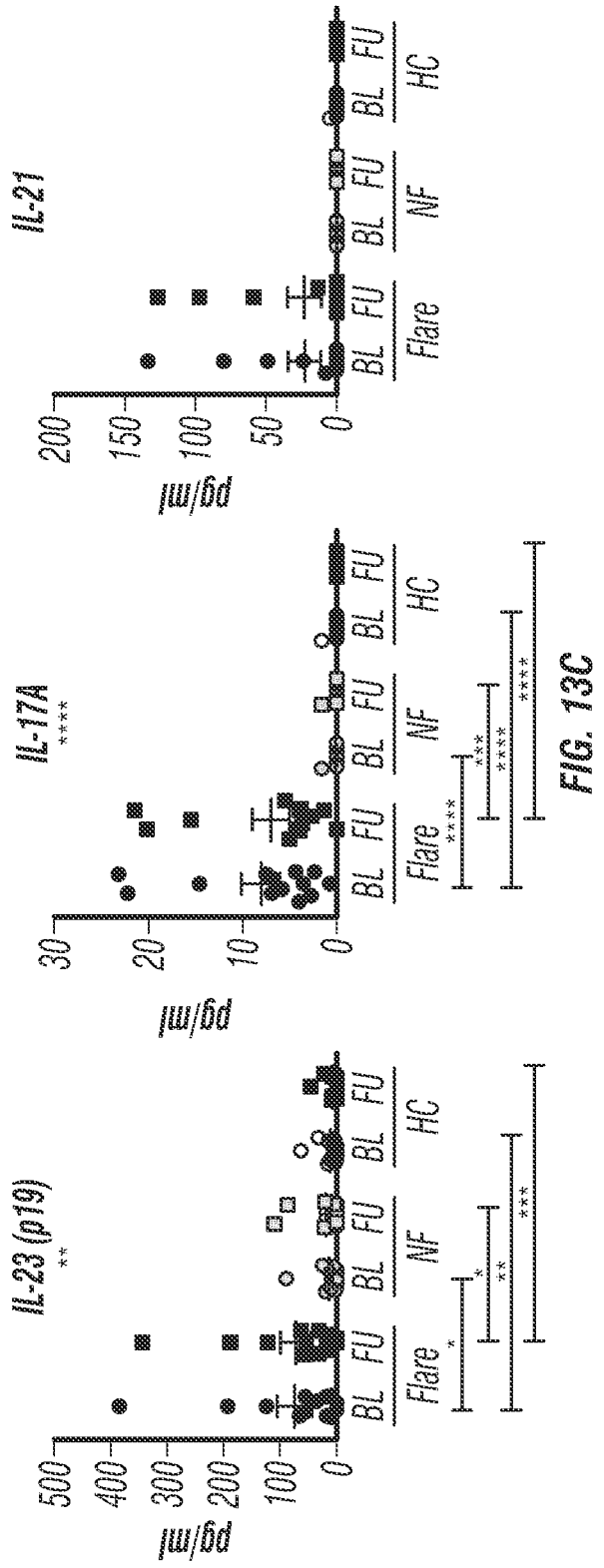


FIG. 13C

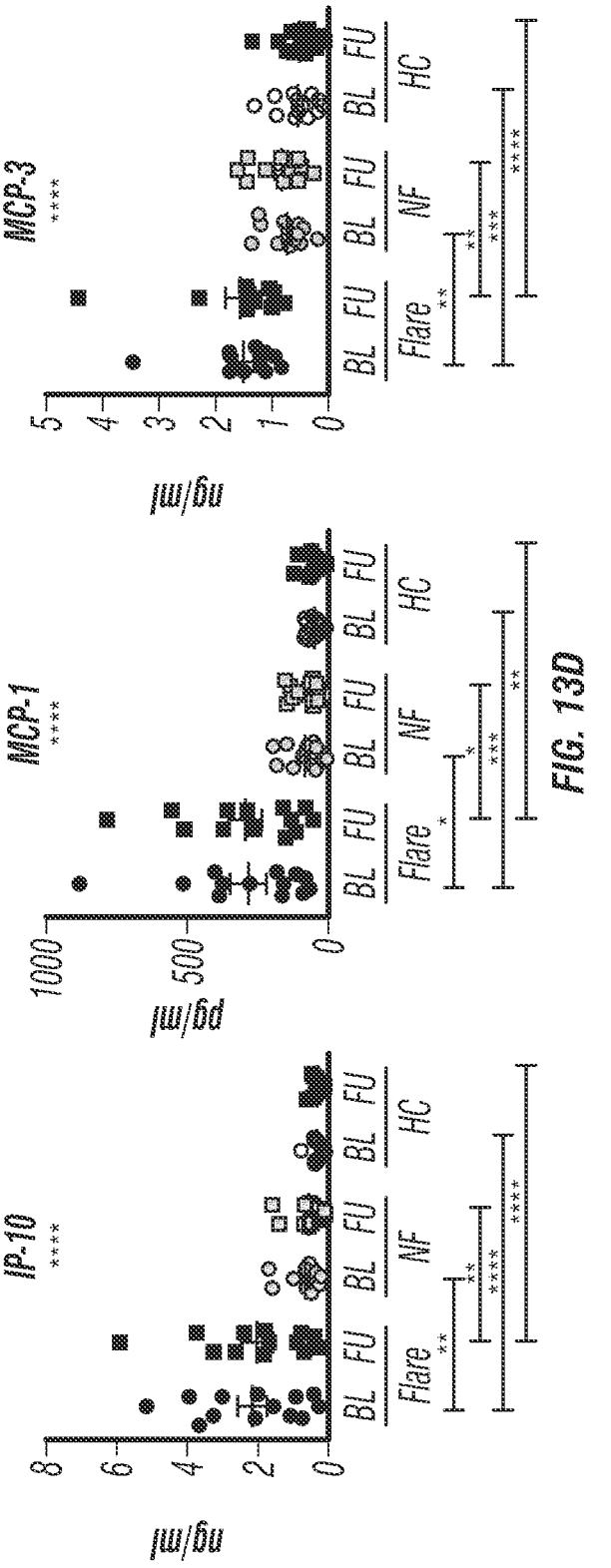


FIG. 13D

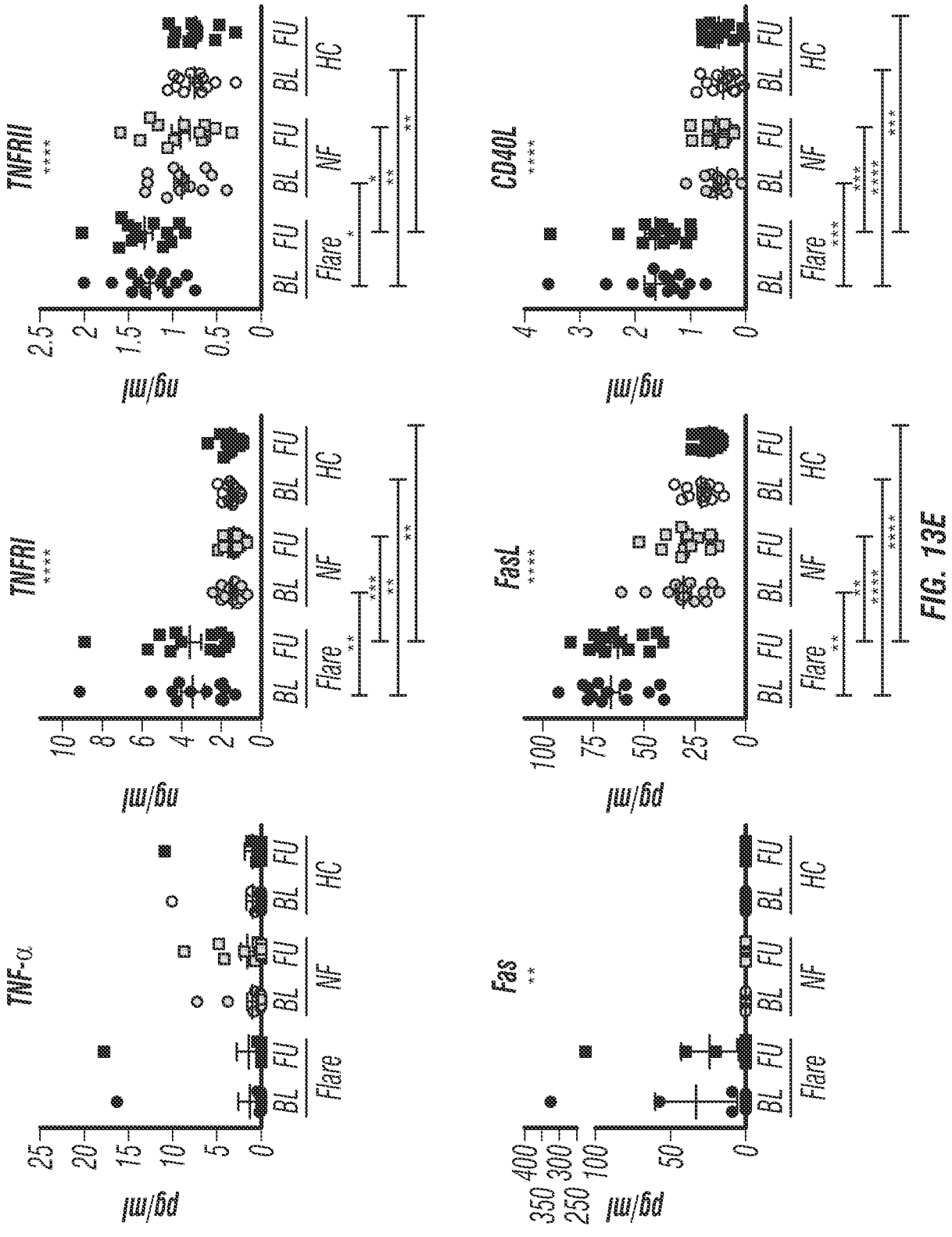

TNF-α
TNFRI
TNFRII
Fas
FasL
CD40L
pg/ml
ng/ml
BL FU BL FU BL FU
Flare NF HC

FIG. 13E

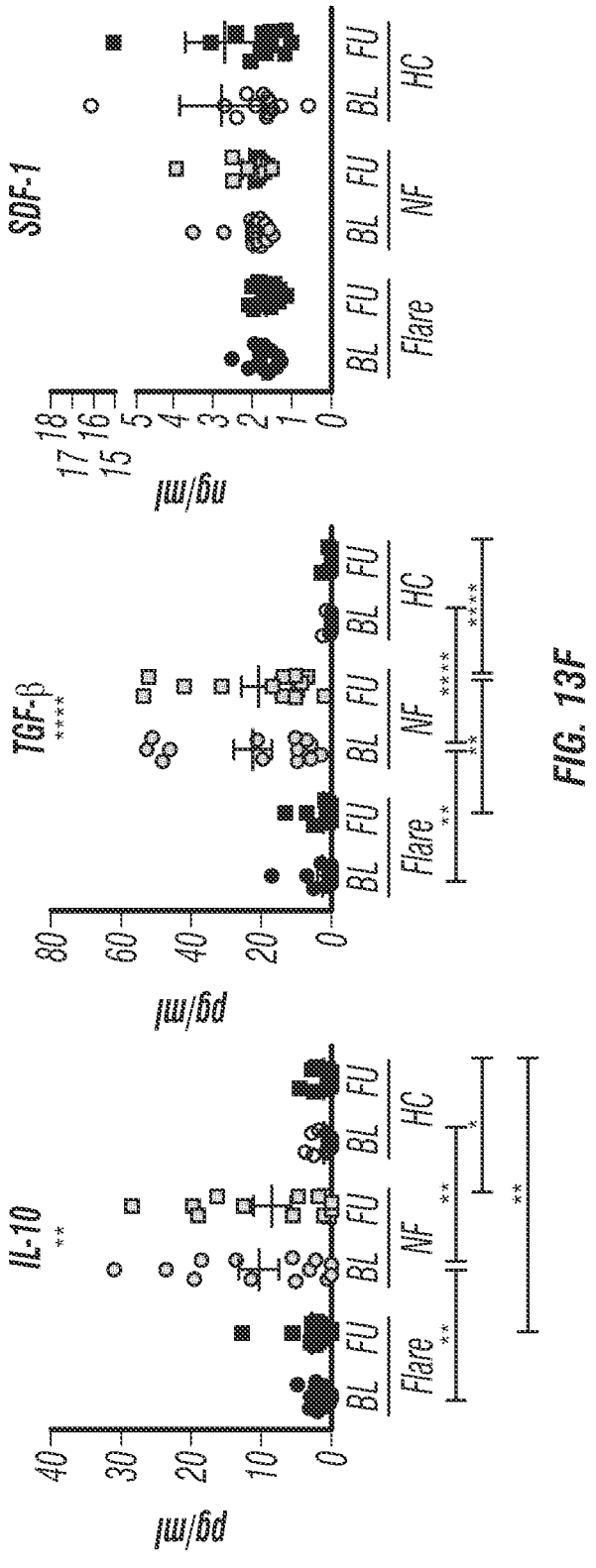


FIG. 13F

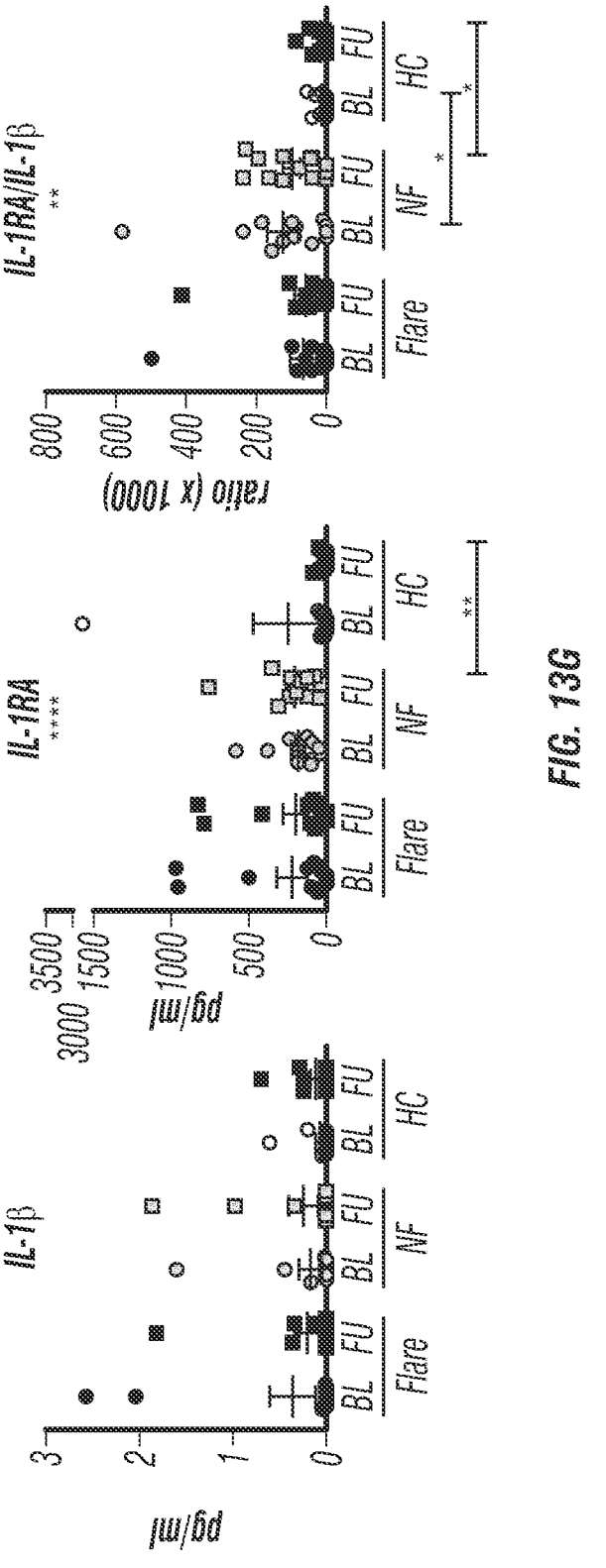


FIG. 13G

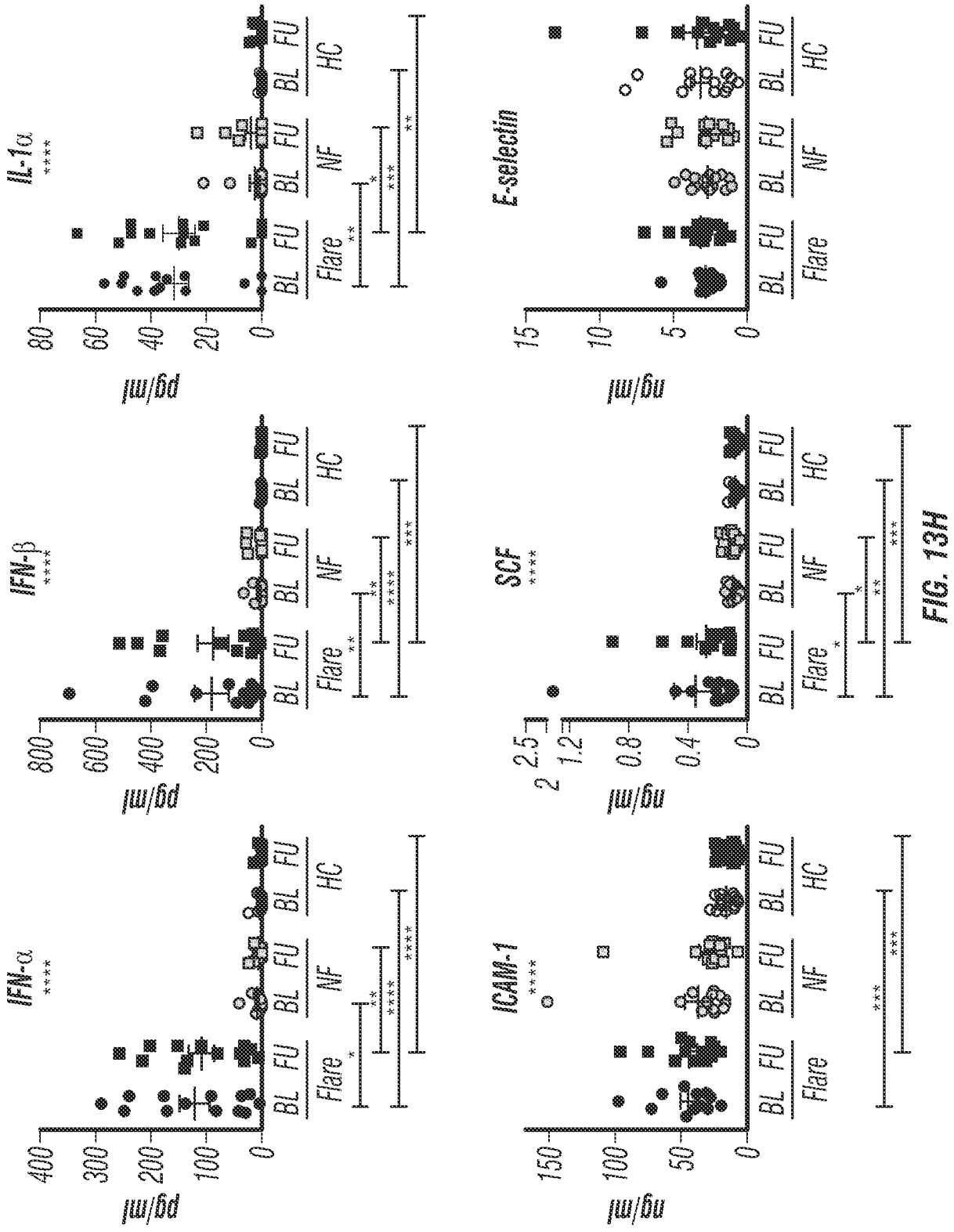

IL-1α
IFN-β
E-selectin
IFN-α
SCF
ICAM-1
pg/ml
ng/ml
BL FU BL FU BL FU
Flare NF HC

FIG. 13H

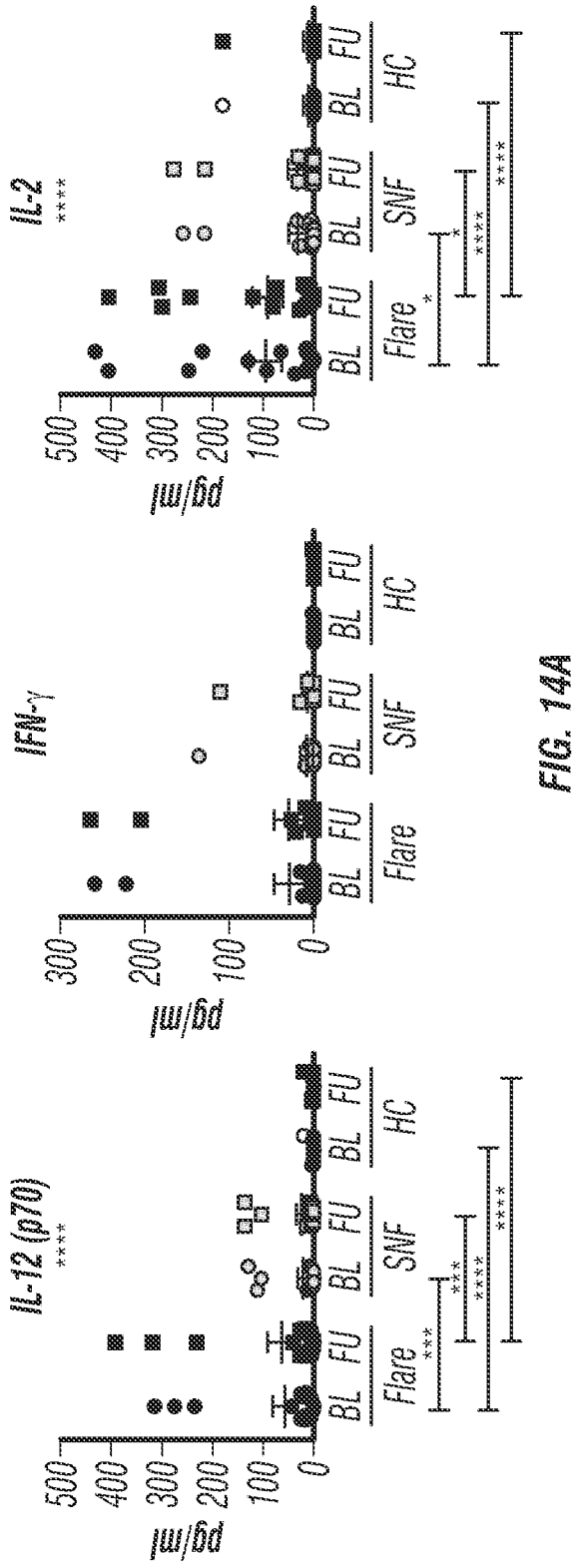


FIG. 14A

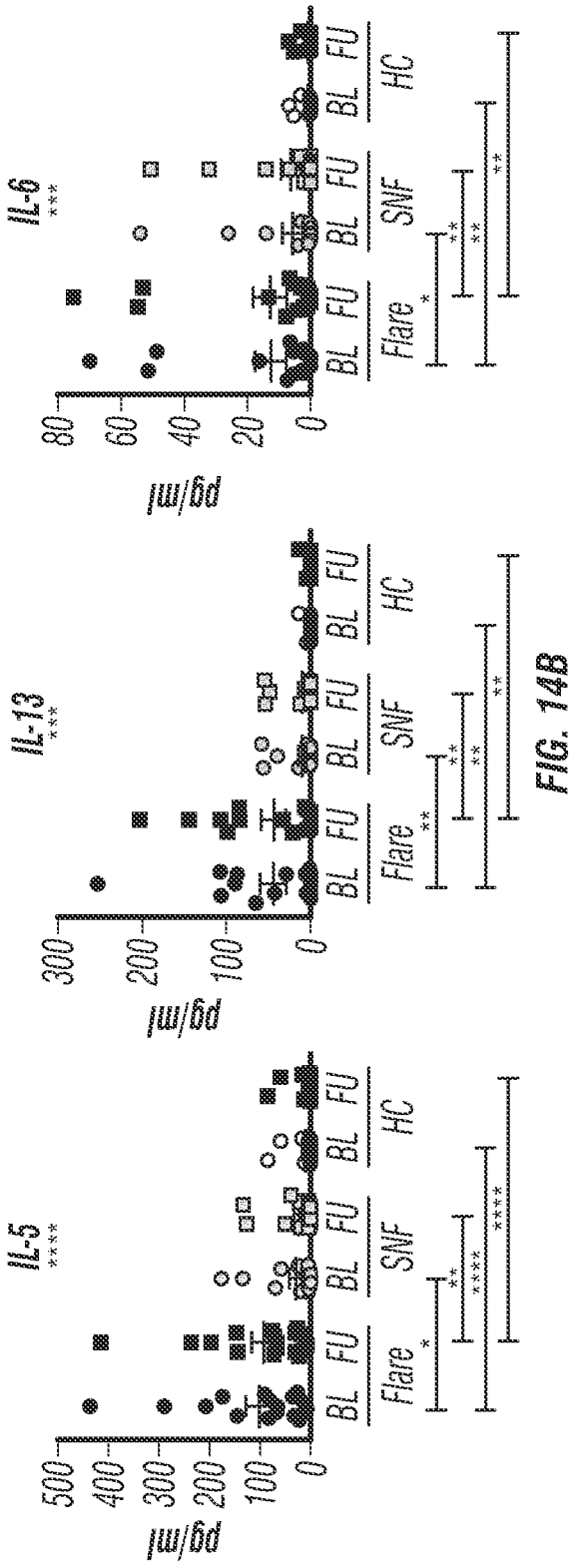


FIG. 14B

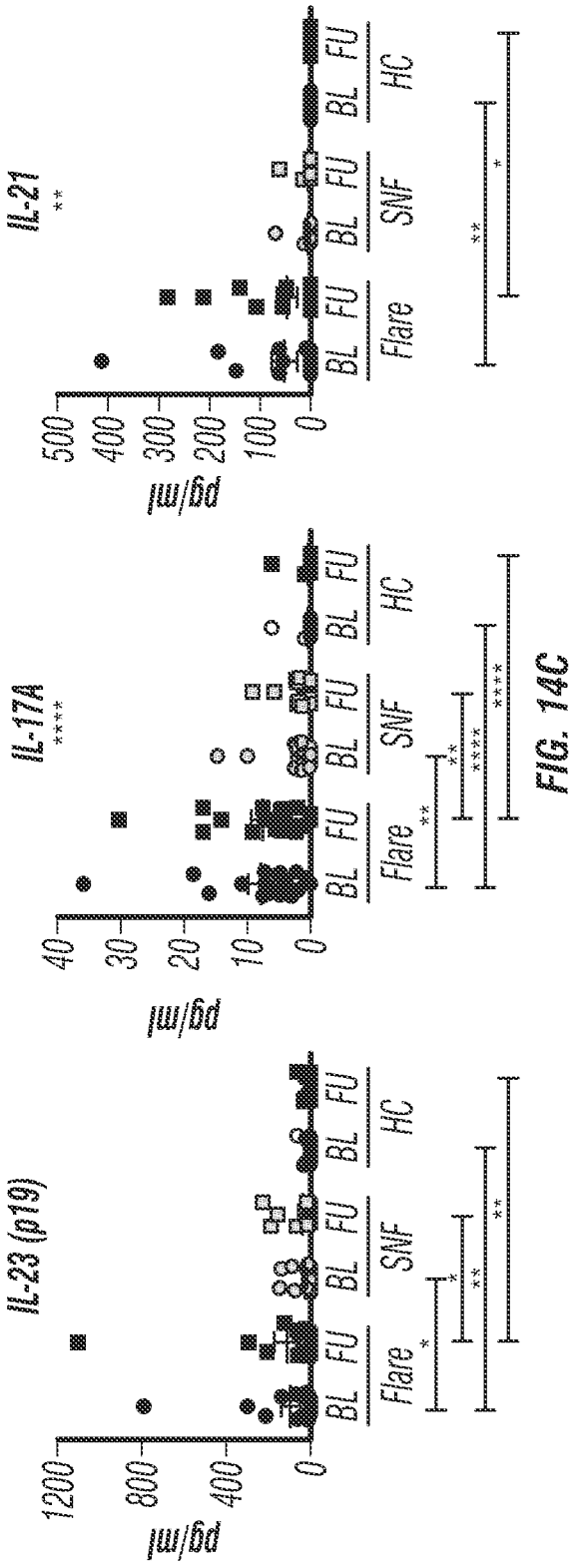


FIG. 14C

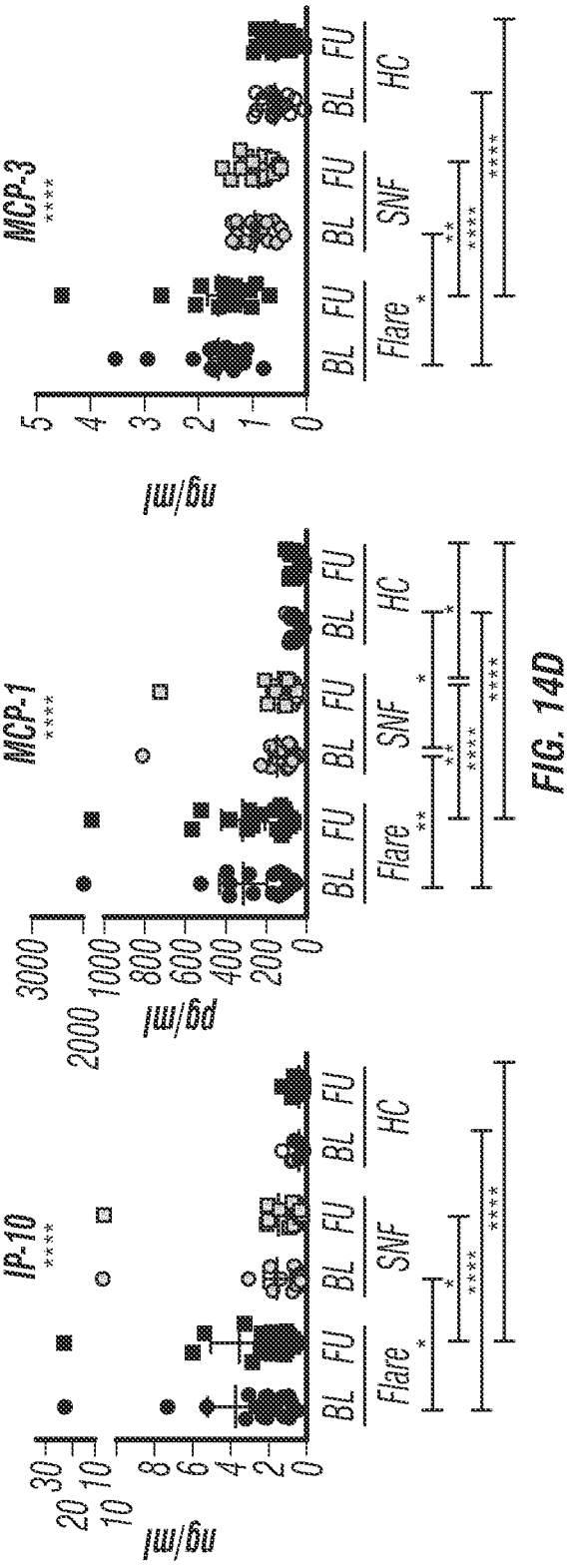


FIG. 14D

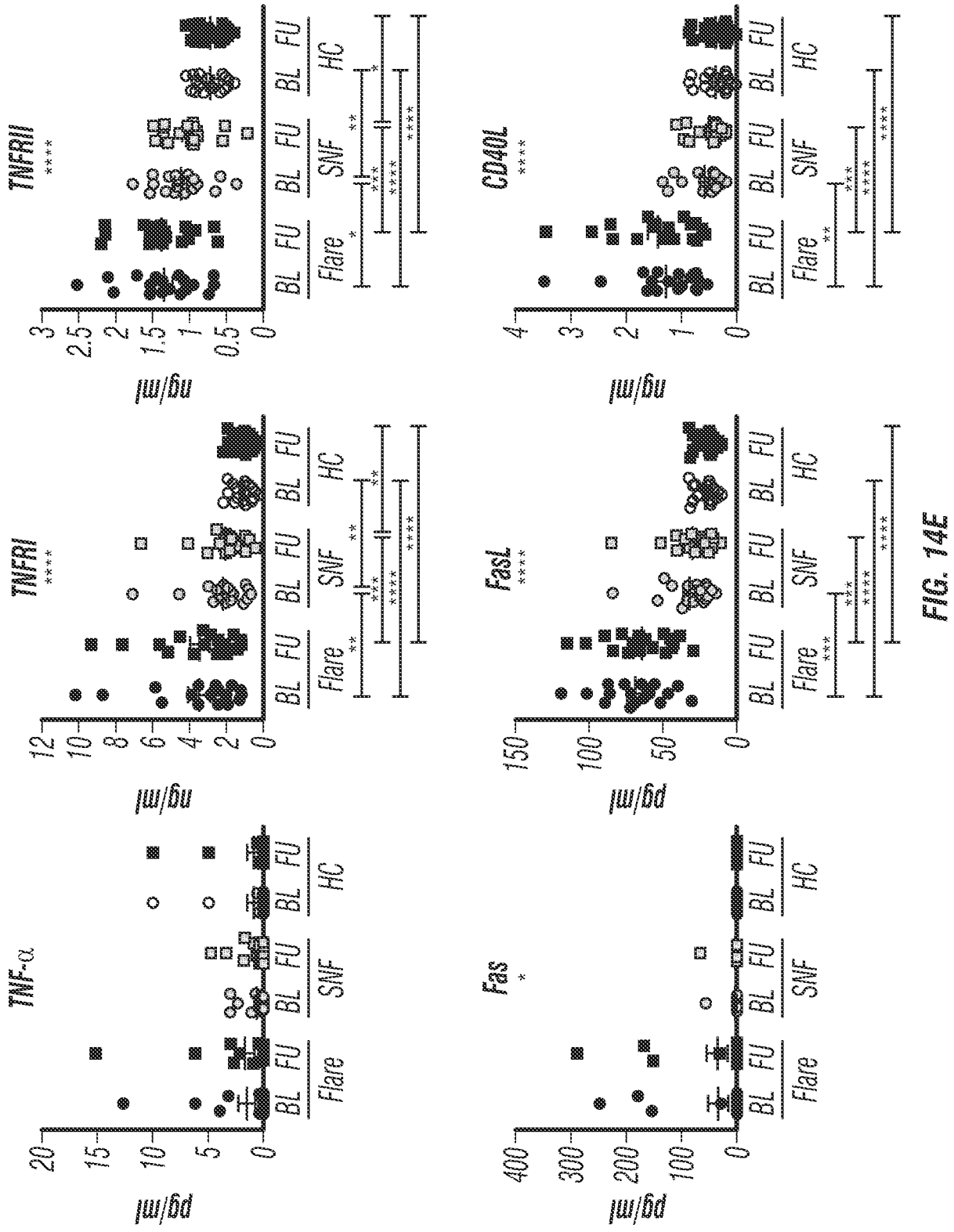
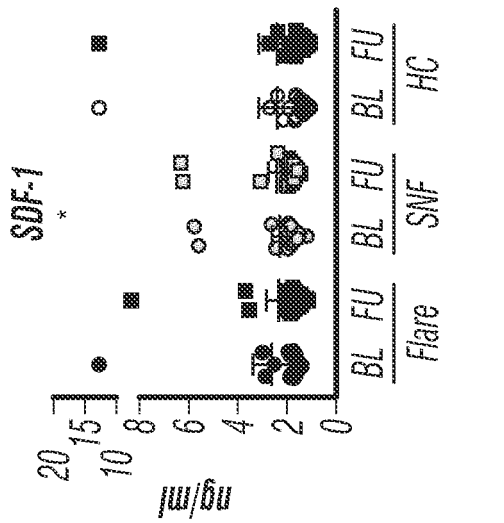
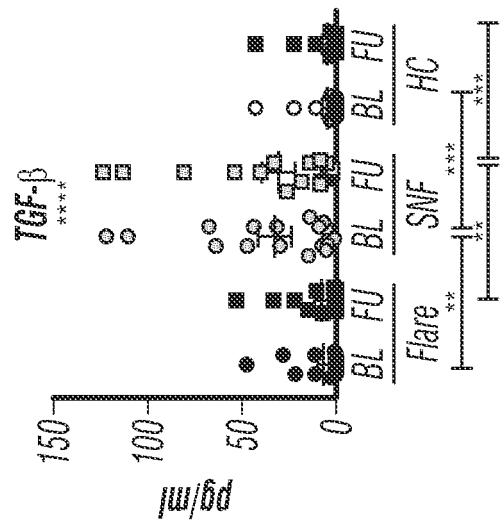

TNF-α
TNFRI
TNFRII
Fas
FasL
CD40L
pg/ml
ng/ml
BL FU BL FU BL FU
Flare SNF HC

FIG. 14E





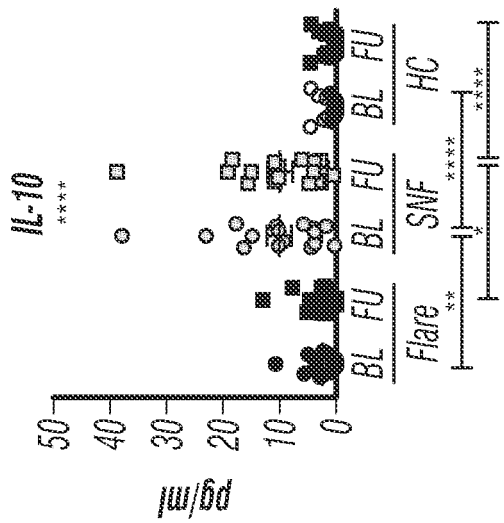
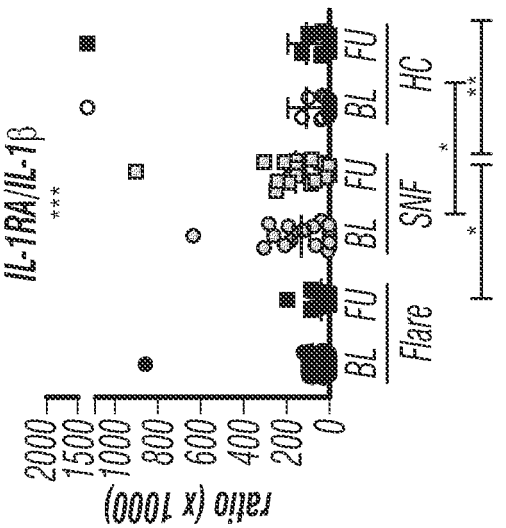
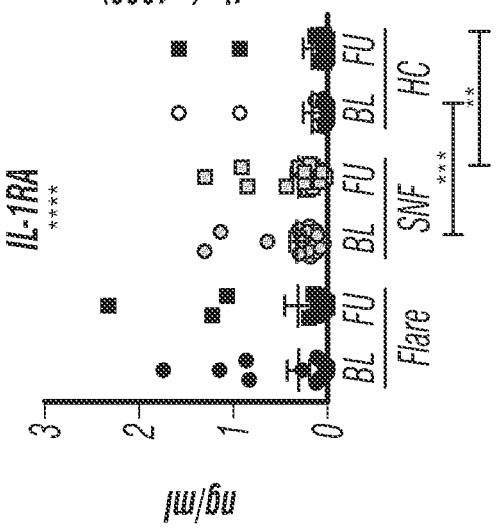


FIG. 14F





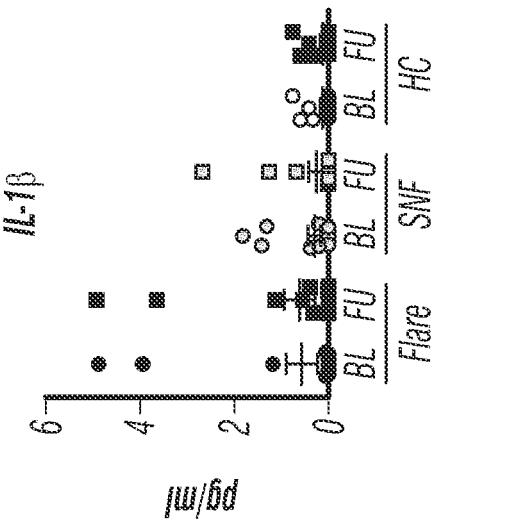


FIG. 14G

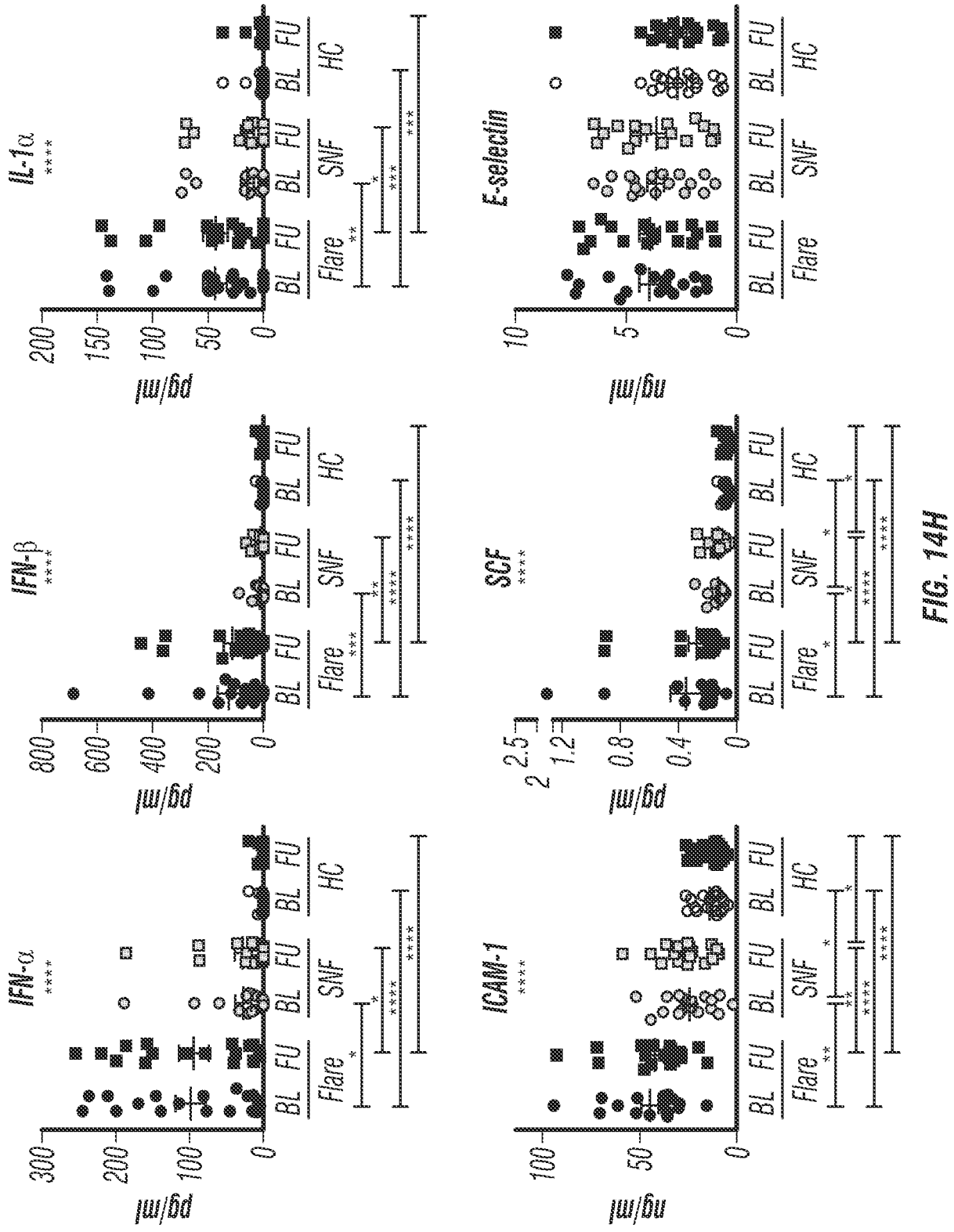

IL-1α
IFN-β
E-selectin
IFN-α
SCF
ICAM-1
pg/ml
ng/ml
BL FU BL FU BL FU
Flare SNF HC

FIG. 14H