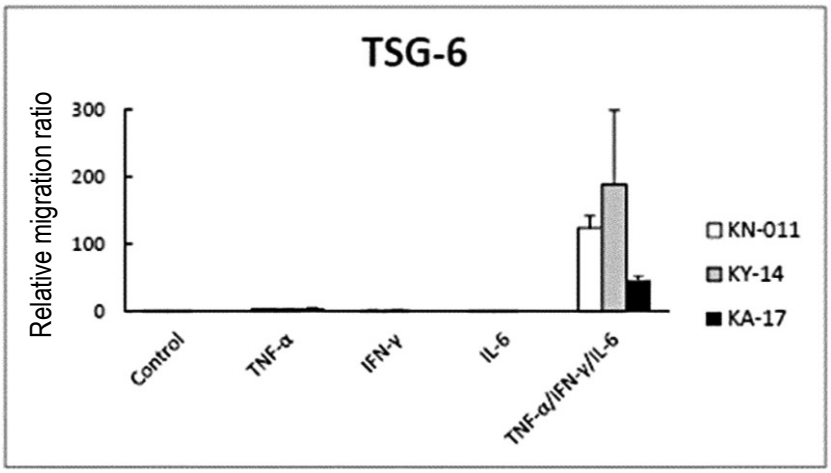
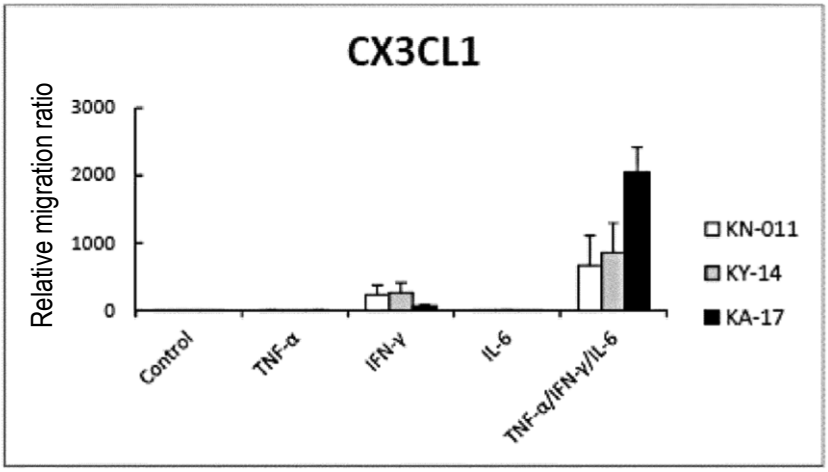
FIG. 1

(A)


TSG-6
Relative migration ratio
300
200
100
0
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17

(B)


CX3CL1
Relative migration ratio
3000
2000
1000
0
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17

(C)

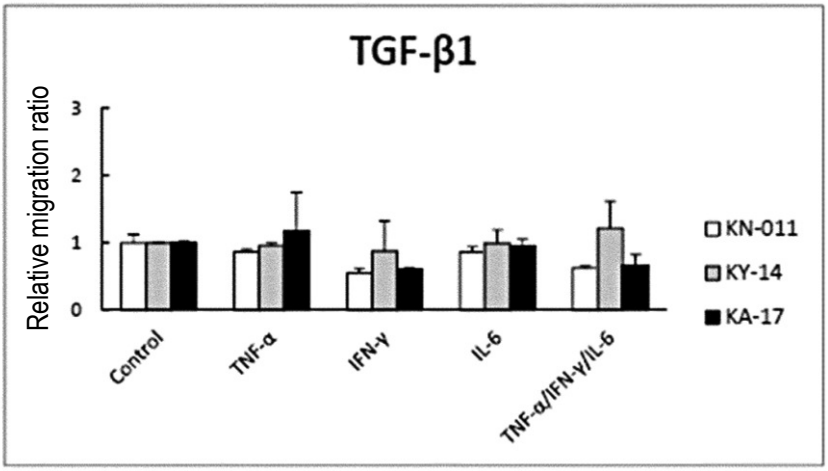
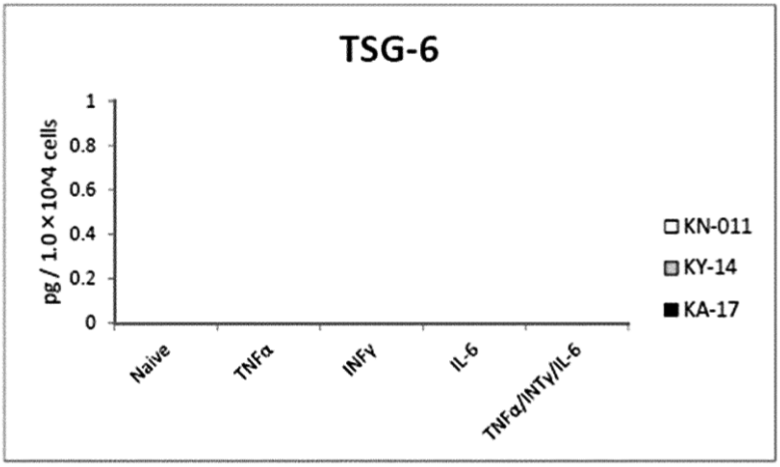
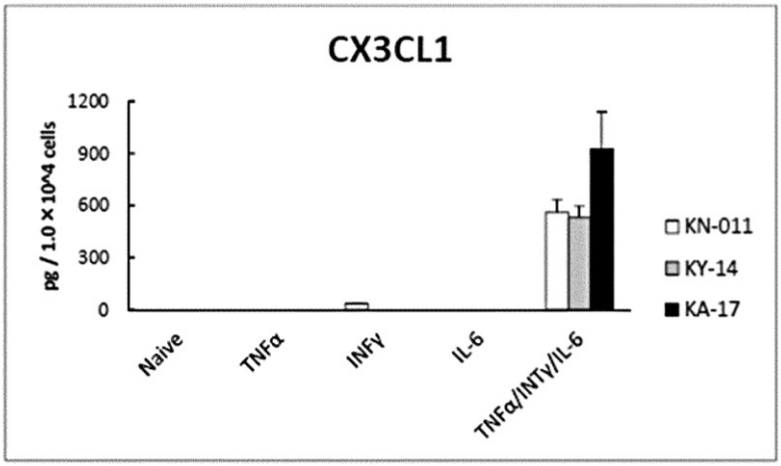

TGF-β1
Relative migration ratio
3
2
1
0
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17

FIG. 2

(A)


TSG-6
pg / 1.0 × 10^4 cells
1
0.8
0.6
0.4
0.2
0
Naive
TNFα
INFγ
IL-6
TNFα/INTγ/IL-6
KN-011
KY-14
KA-17

(B)


CX3CL1
pg / 1.0 × 10^4 cells
1200
900
600
300
0
Naive
TNFα
INFγ
IL-6
TNFα/INTγ/IL-6
KN-011
KY-14
KA-17

(C)

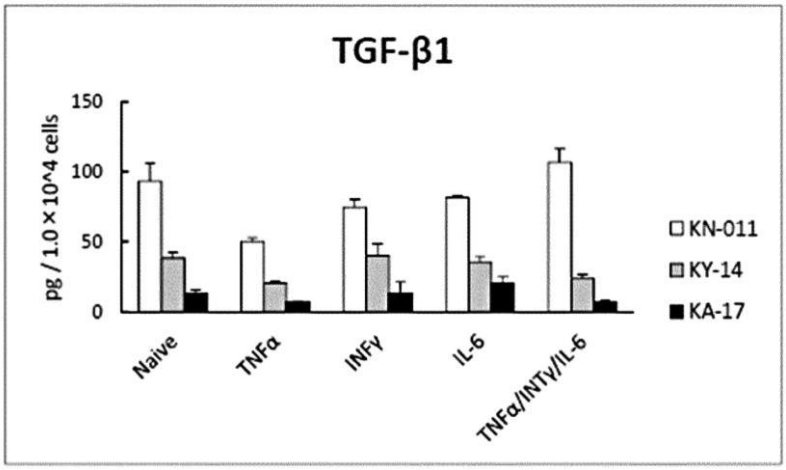

TGF-β1
pg / 1.0 × 10^4 cells
150
100
50
0
Naive
TNFα
INFγ
IL-6
TNFα/INTγ/IL-6
KN-011
KY-14
KA-17

FIG. 3-1

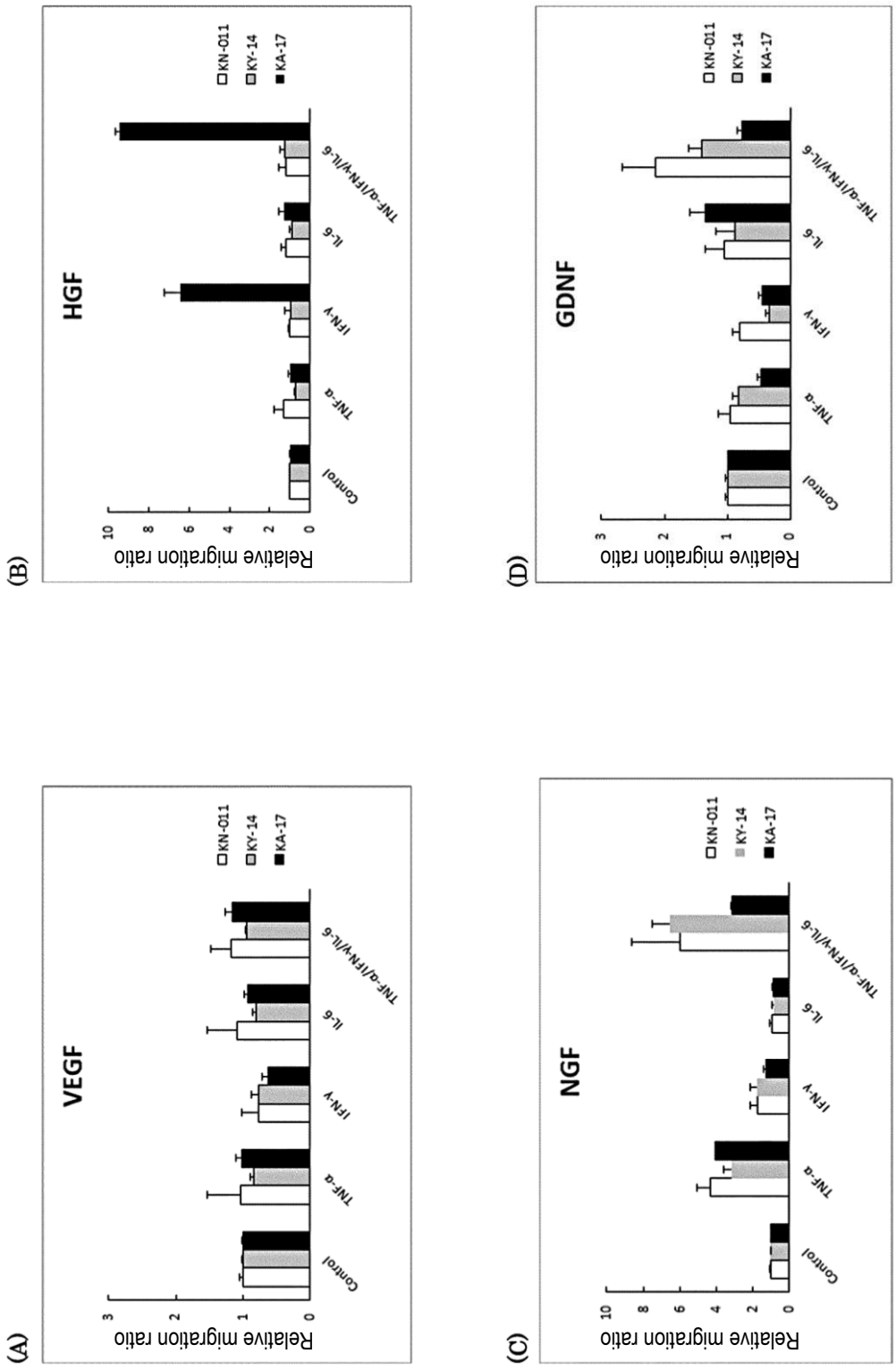

(A)
VEGF
Relative migration ratio
0
1
2
3
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17
(B)
HGF
Relative migration ratio
0
2
4
6
8
10
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17
(C)
NGF
Relative migration ratio
0
2
4
6
8
10
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17
(D)
GDNF
Relative migration ratio
0
1
2
3
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17

FIG. 3-2

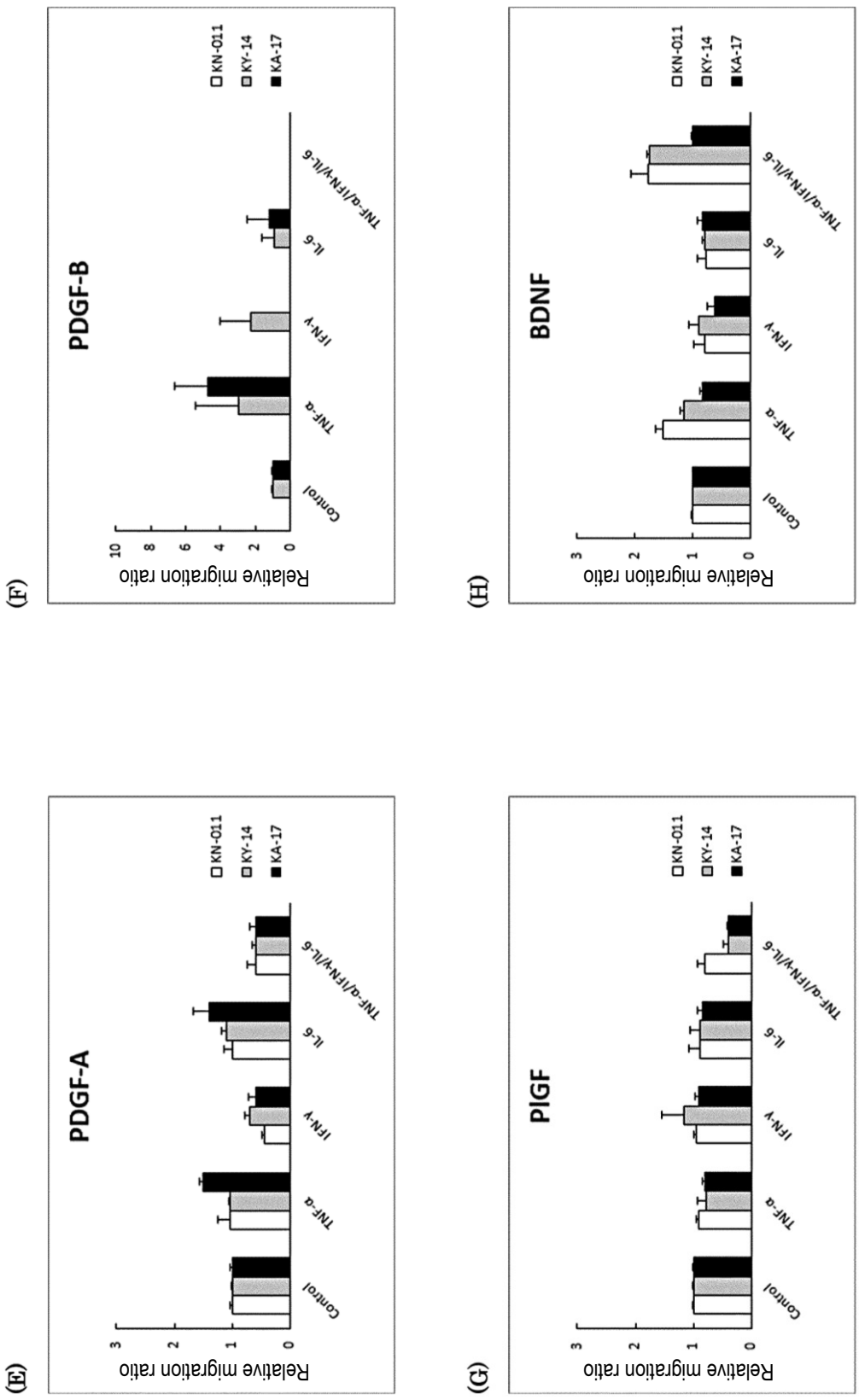

(E)
PDGF-A
Relative migration ratio
KN-011
KY-14
KA-17
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
(F)
PDGF-B
(G)
PIGF
(H)
BDNF

FIG. 4-1

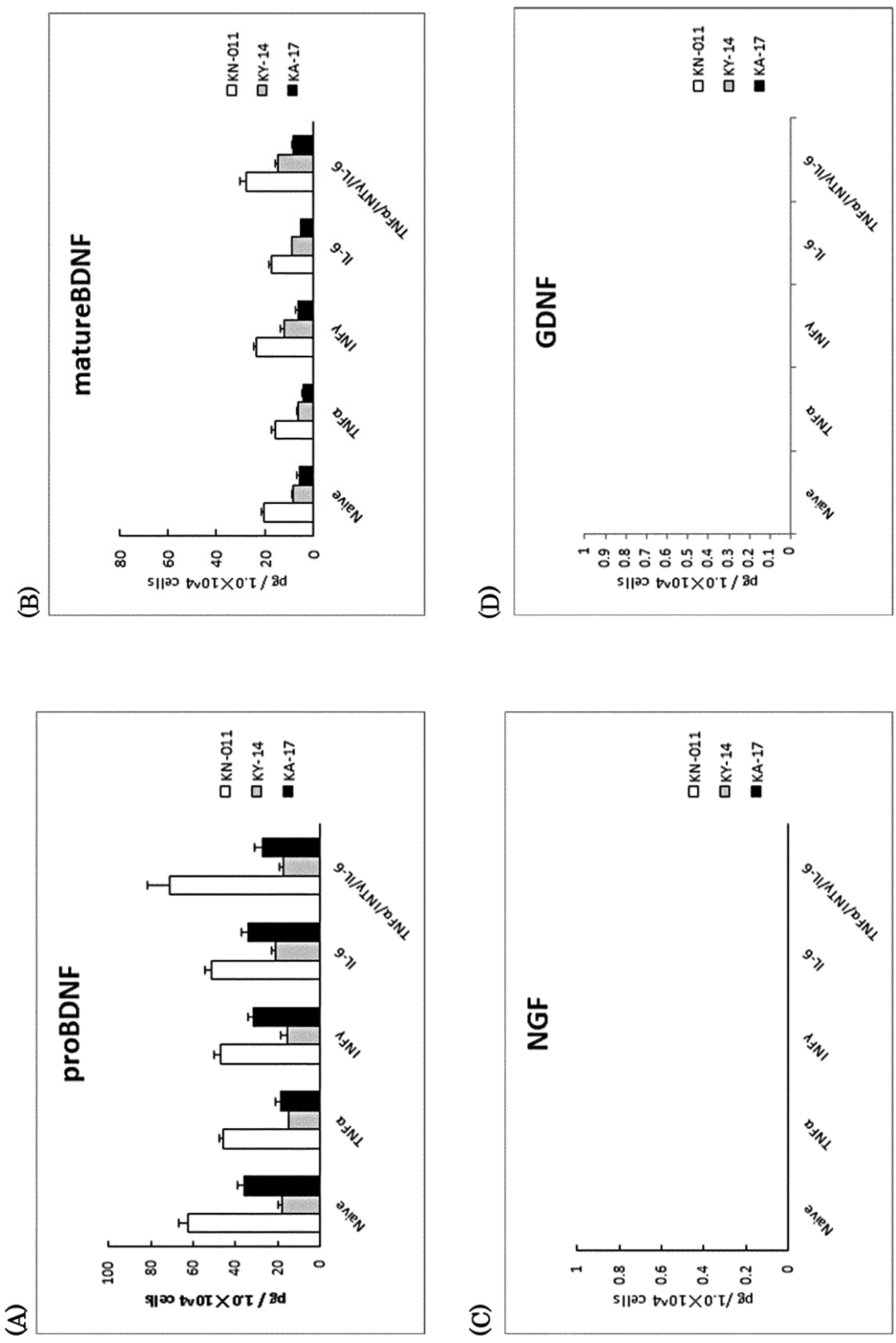

(A)
proBDNF
pg / 1.0×10^4 cells
KN-011
KY-14
KA-17
Naive
TNFα
INFγ
IL-6
TNFα/INTγ/IL-6
(B)
matureBDNF
(C)
NGF
(D)
GDNF

FIG. 4-2

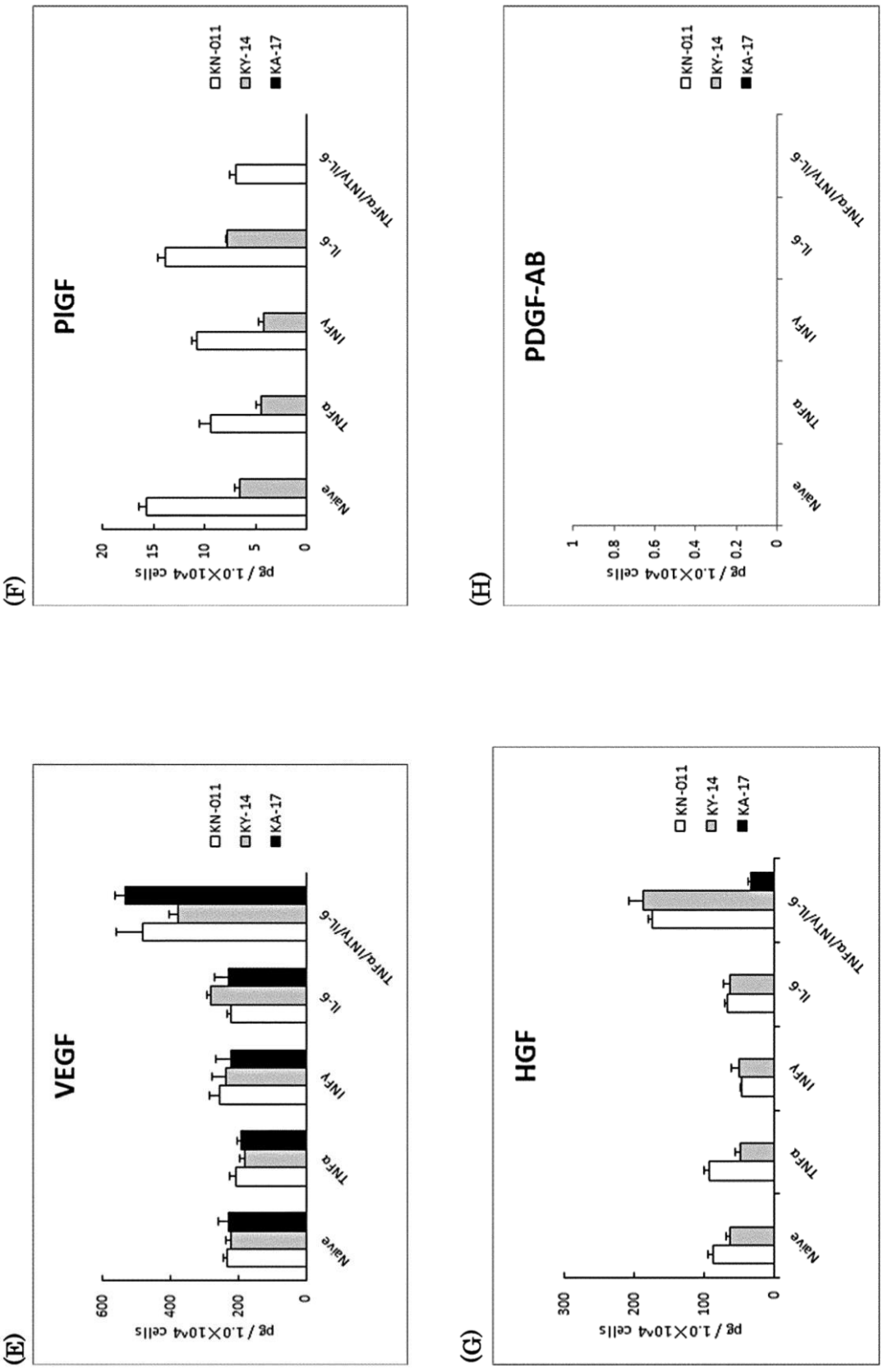

(E)
VEGF
pg / 1.0×10^4 cells
600
400
200
0
KN-011
KY-14
KA-17
Naïve
TNFα
INFγ
IL-6
TNFα/INFγ/IL-6
(F)
PIGF
pg / 1.0×10^4 cells
20
15
10
5
0
KN-011
KY-14
KA-17
Naïve
TNFα
INFγ
IL-6
TNFα/INFγ/IL-6
(G)
HGF
pg / 1.0×10^4 cells
300
200
100
0
KN-011
KY-14
KA-17
Naïve
TNFα
INFγ
IL-6
TNFα/INFγ/IL-6
(H)
PDGF-AB
pg / 1.0×10^4 cells
1
0.8
0.6
0.4
0.2
0
KN-011
KY-14
KA-17
Naïve
TNFα
INFγ
IL-6
TNFα/INFγ/IL-6

FIG. 5-1

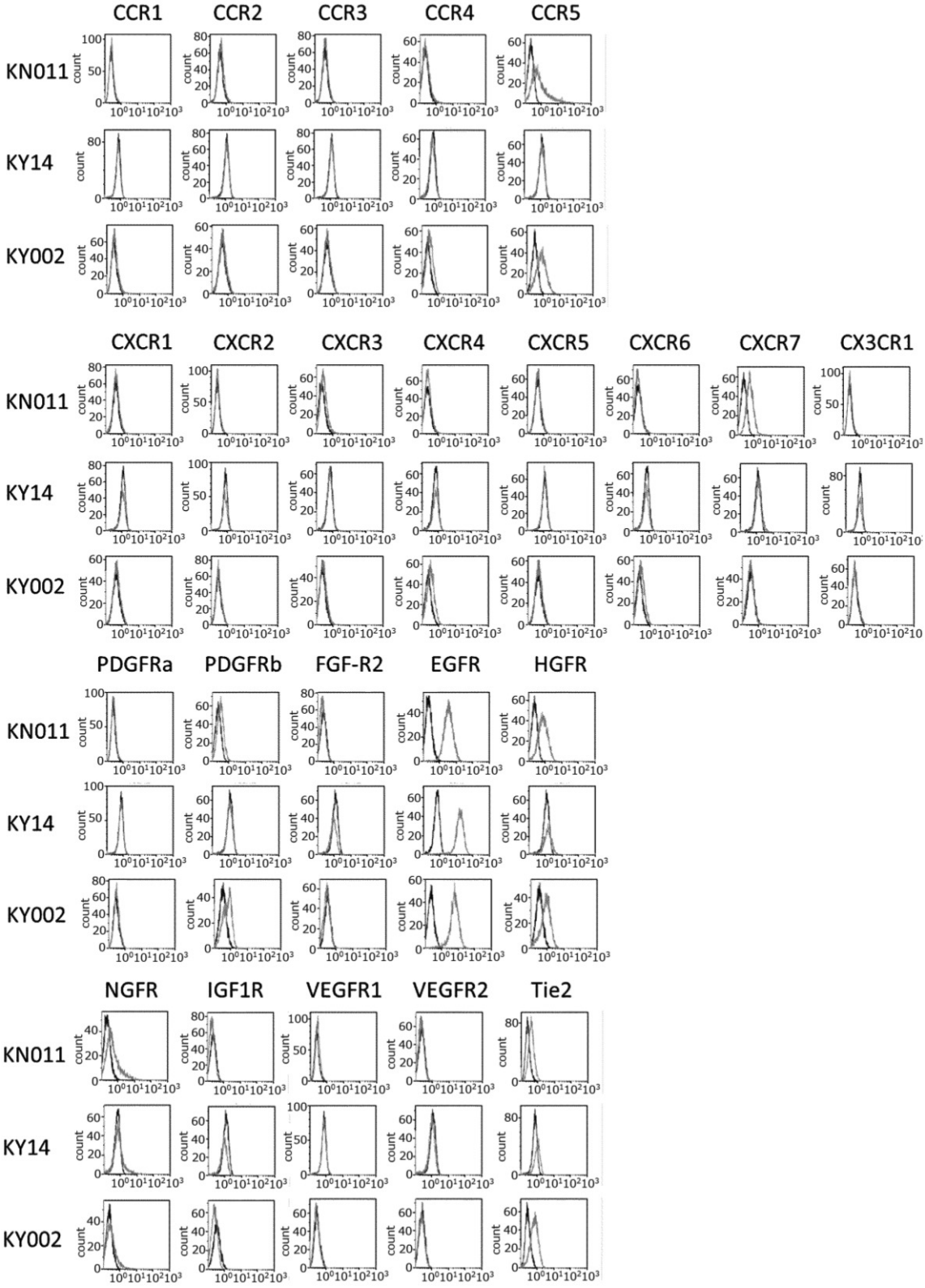

CCR1
CCR2
CCR3
CCR4
CCR5
KN011
KY14
KY002
CXCR1
CXCR2
CXCR3
CXCR4
CXCR5
CXCR6
CXCR7
CX3CR1
KN011
KY14
KY002
PDGFRa
PDGFRb
FGF-R2
EGFR
HGFR
KN011
KY14
KY002
NGFR
IGF1R
VEGFR1
VEGFR2
Tie2
KN011
KY14
KY002
count

FIG. 5-2

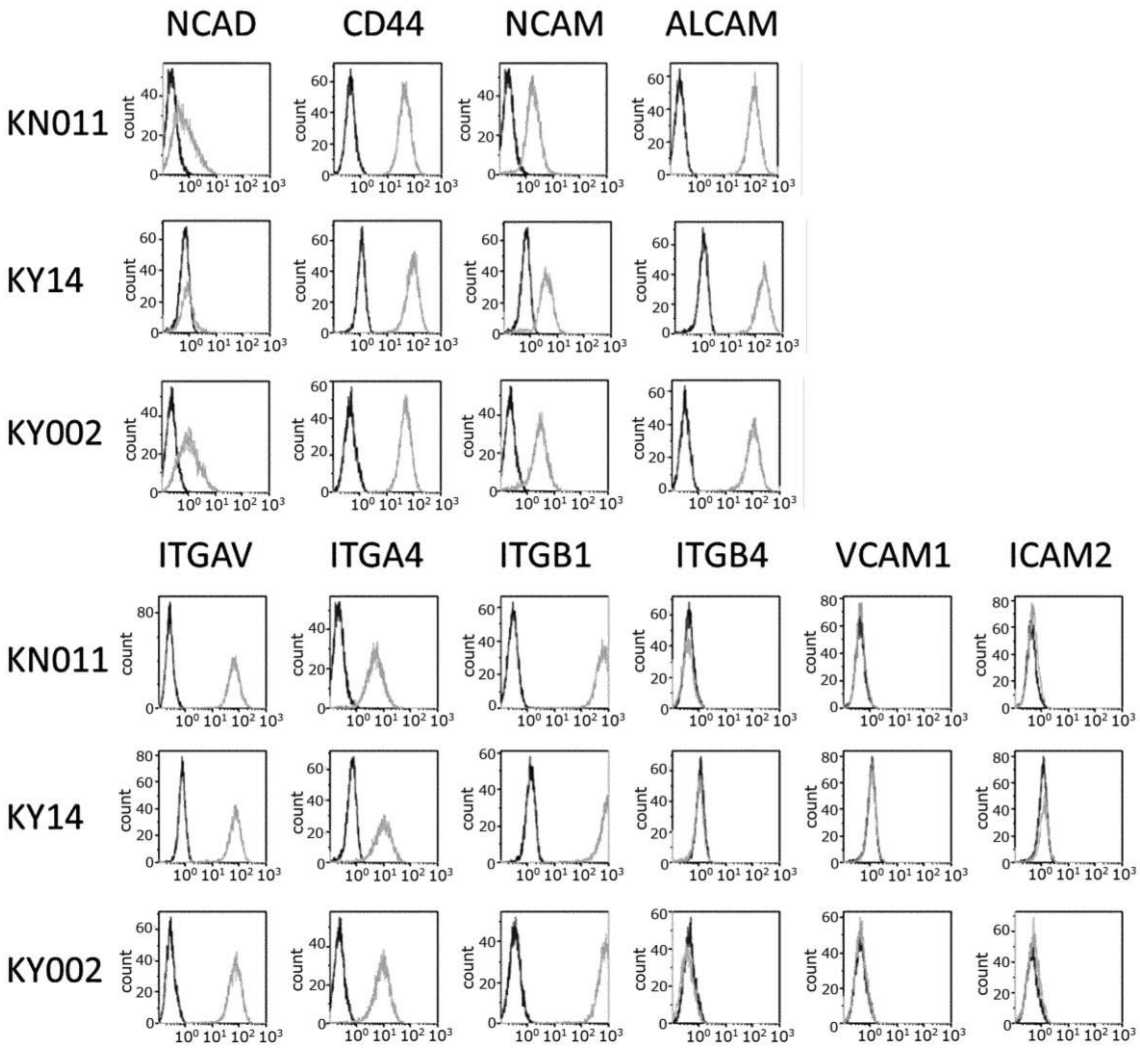

NCAD
CD44
NCAM
ALCAM
KN011
KY14
KY002
count
10^0 10^1 10^2 10^3
ITGAV
ITGA4
ITGB1
ITGB4
VCAM1
ICAM2
KN011
KY14
KY002
count
10^0 10^1 10^2 10^3

FIG. 6

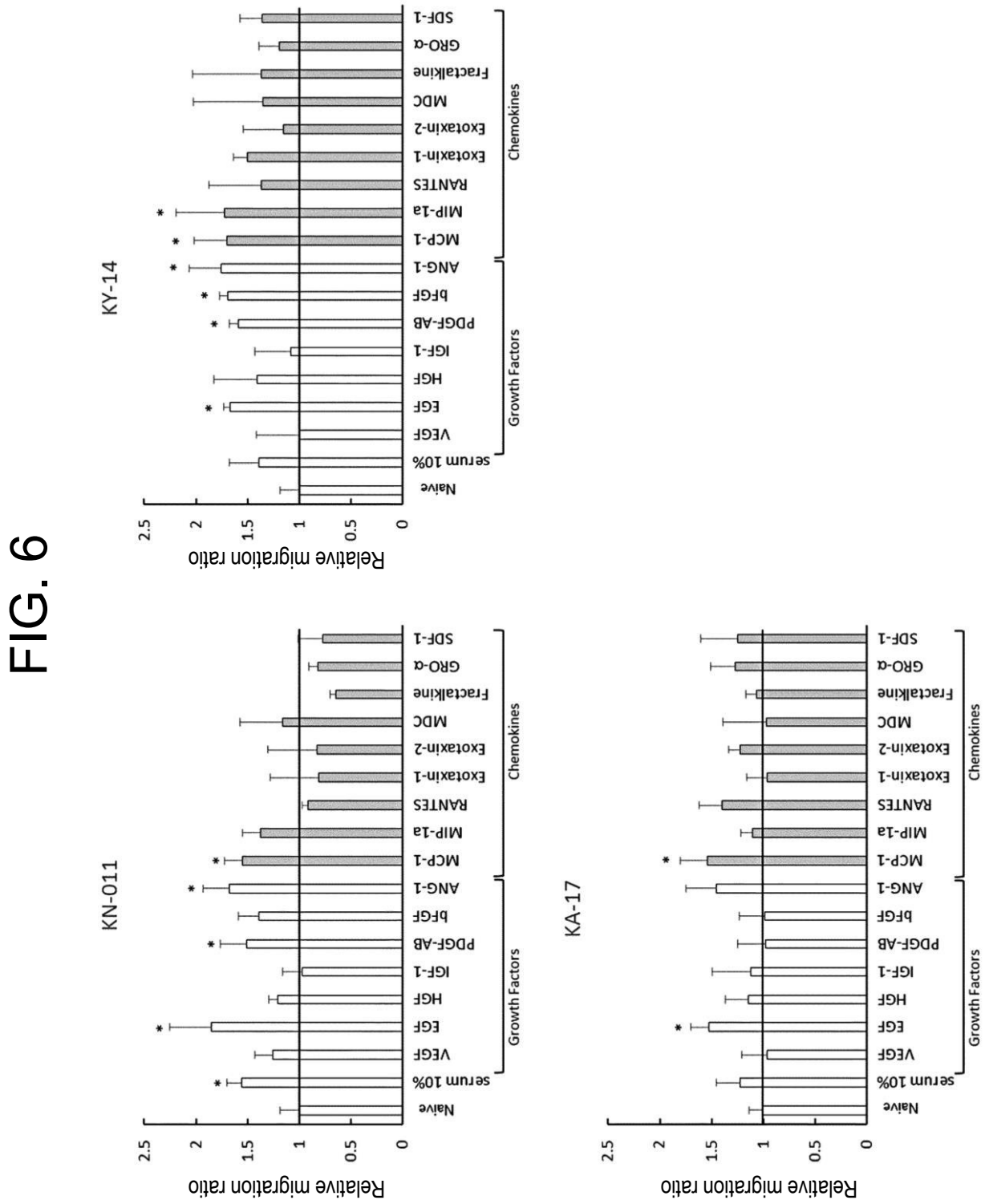
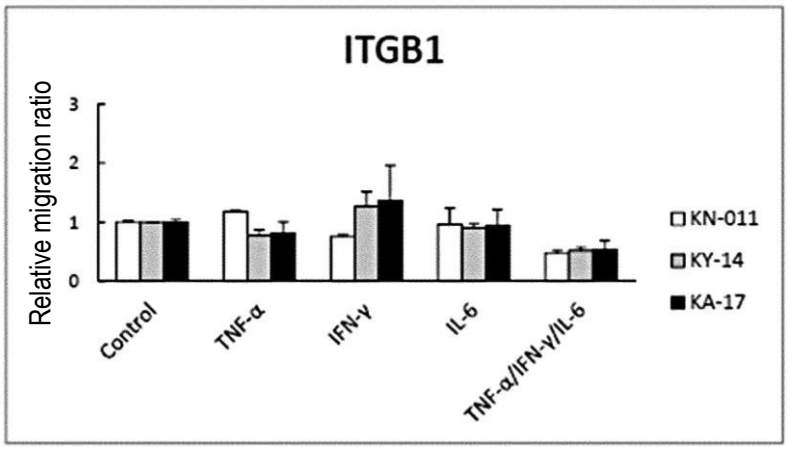
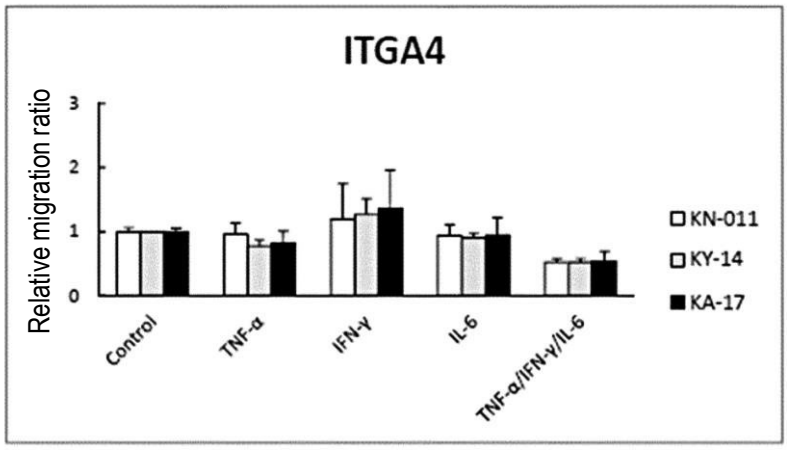

KY-14
KN-011
KA-17
Relative migration ratio
0
0.5
1
1.5
2
2.5
Naive
serum 10%
VEGF
EGF
HGF
IGF-1
PDGF-AB
bFGF
ANG-1
MCP-1
MIP-1a
RANTES
Exotaxin-1
Exotaxin-2
MDC
Fractalkine
GRO-α
SDF-1
Growth Factors
Chemokines
*

FIG. 7-1

(A)


ITGB1
Relative migration ratio
3
2
1
0
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17

(B)


ITGA4
Relative migration ratio
3
2
1
0
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17

(C)

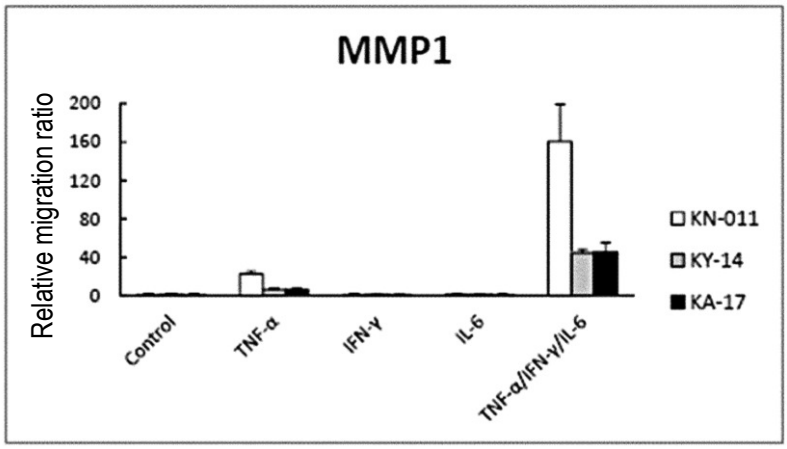
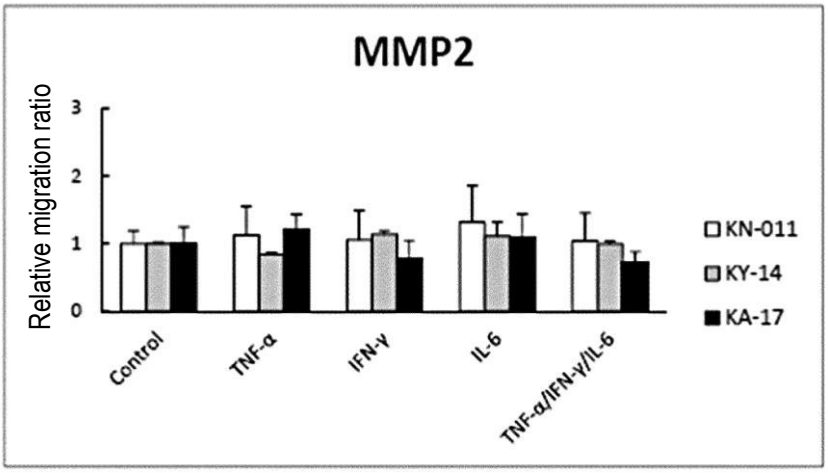
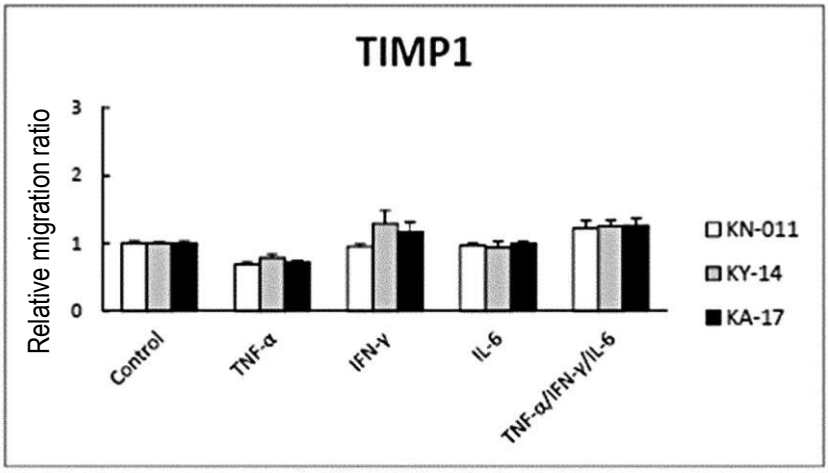

MMP1
Relative migration ratio
200
160
120
80
40
0
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17

FIG. 7-2

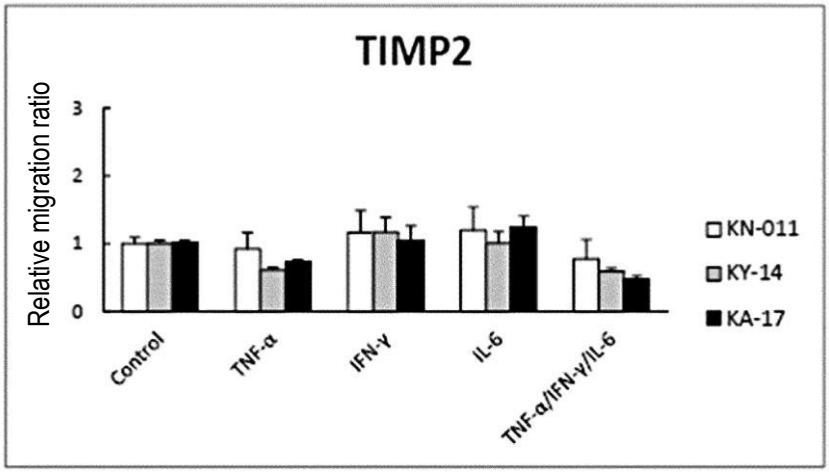
(D)


MMP2
Relative migration ratio
3
2
1
0
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17

(E)


TIMP1
Relative migration ratio
3
2
1
0
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17

(F)


TIMP2
Relative migration ratio
3
2
1
0
Control
TNF-α
IFN-γ
IL-6
TNF-α/IFN-γ/IL-6
KN-011
KY-14
KA-17