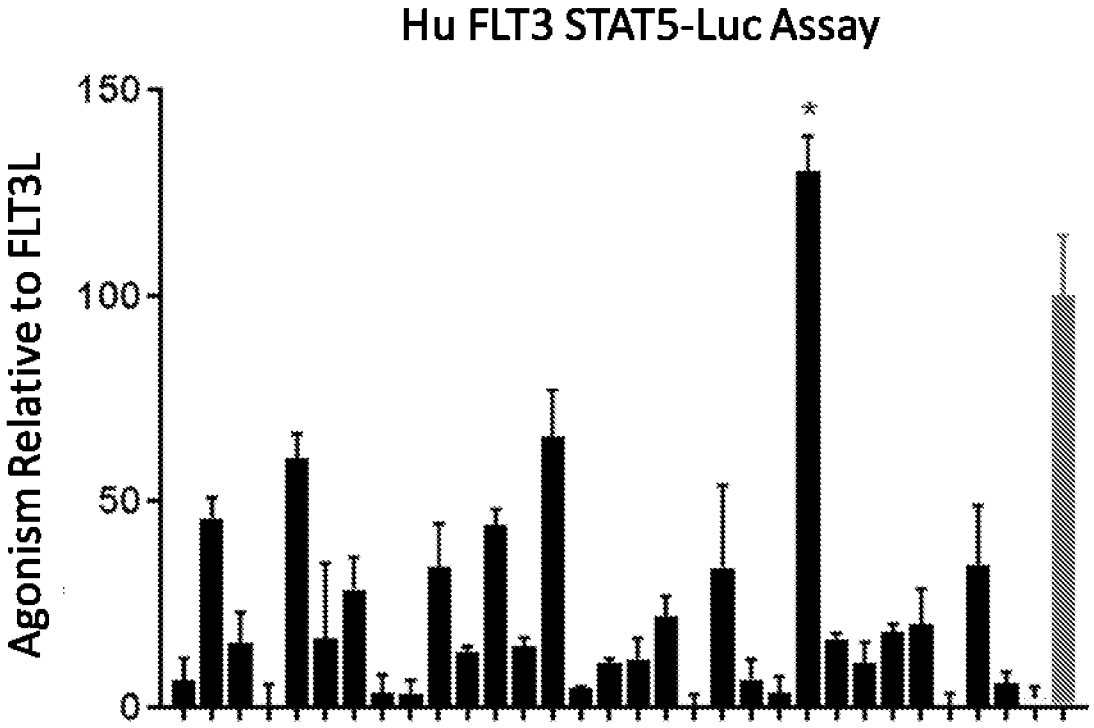

Hu FLT3 STAT5-Luc Assay
Agonism Relative to FLT3L
150
100
50
0
*

FIG. 1

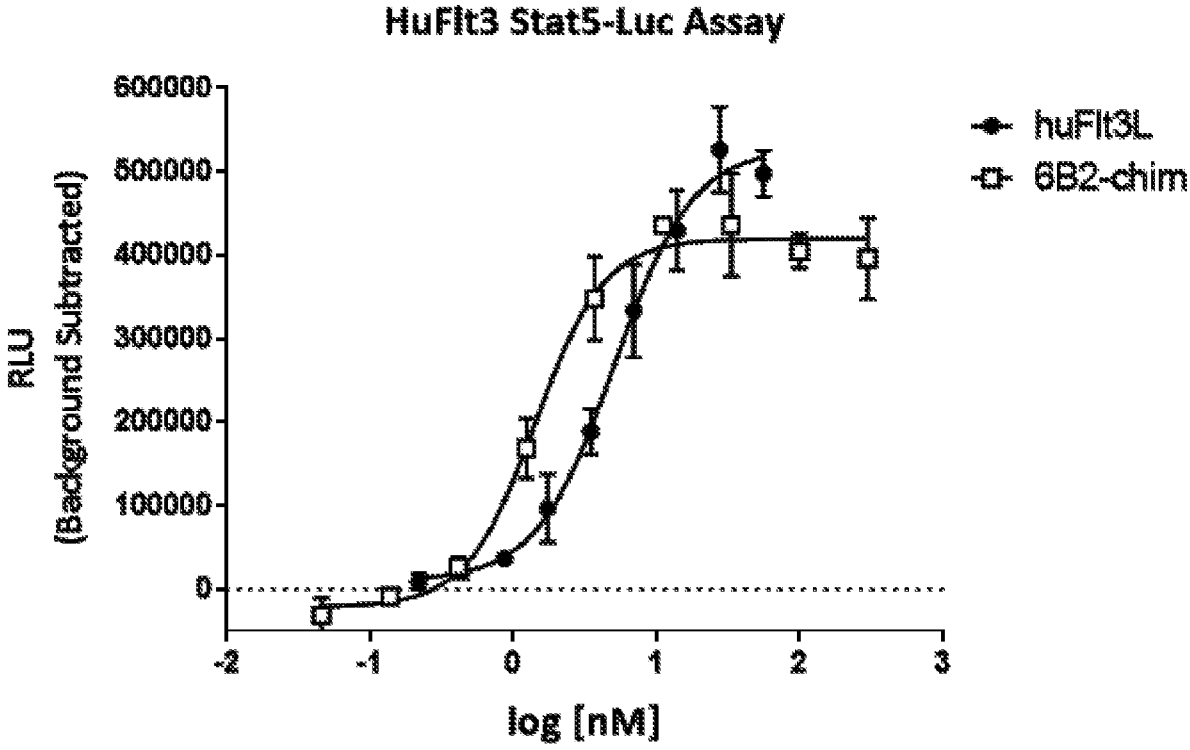

HuFlt3 Stat5-Luc Assay
RLU
(Background Subtracted)
600000
500000
400000
300000
200000
100000
0
-2
-1
0
1
2
3
log [nM]
huFlt3L
6B2-chim

FIG. 2

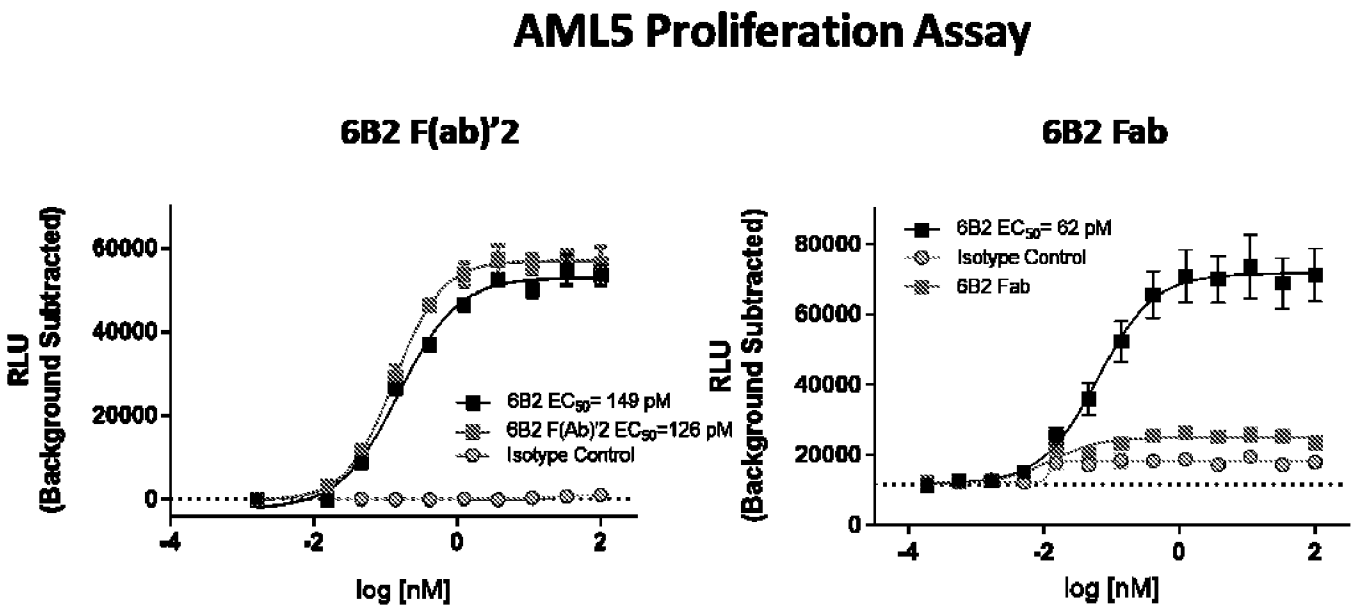

AML5 Proliferation Assay
6B2 F(ab)'2
6B2 Fab
RLU
(Background Subtracted)
60000
40000
20000
0
-4
-2
0
2
log [nM]
6B2 EC50= 149 pM
6B2 F(Ab)'2 EC50=126 pM
Isotype Control
80000
6B2 EC50= 62 pM
Isotype Control
6B2 Fab

FIG. 3

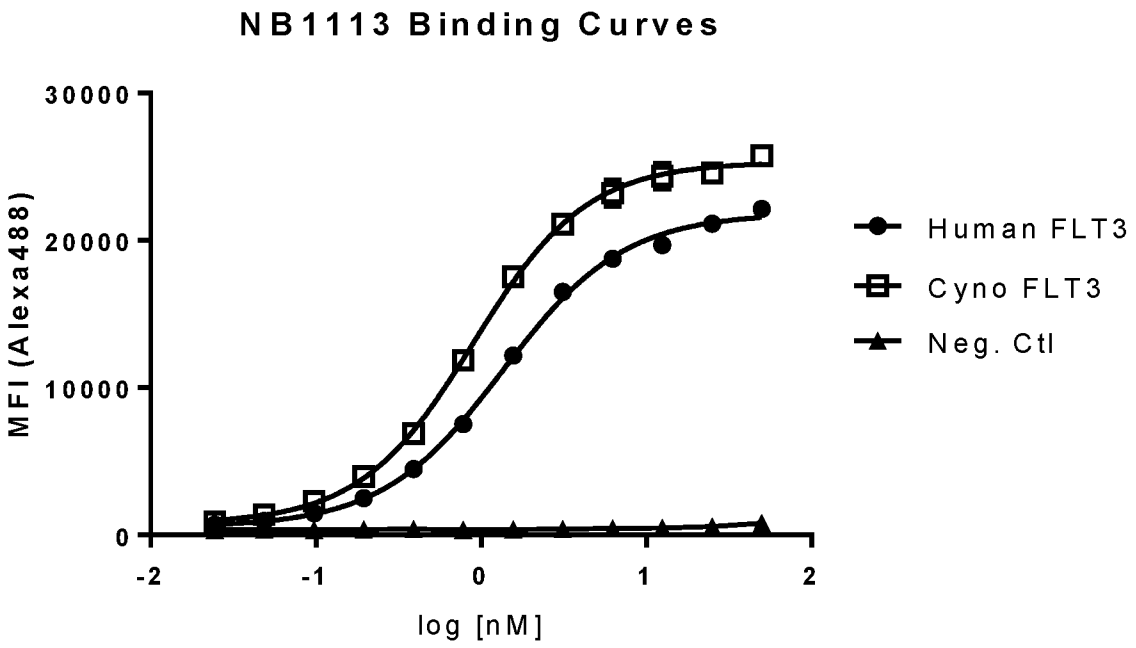

NB1113 Binding Curves
MFI (Alexa488)
30000
20000
10000
0
-2
-1
0
1
2
log [nM]
Human FLT3
Cyno FLT3
Neg. Ctl

FIG. 4

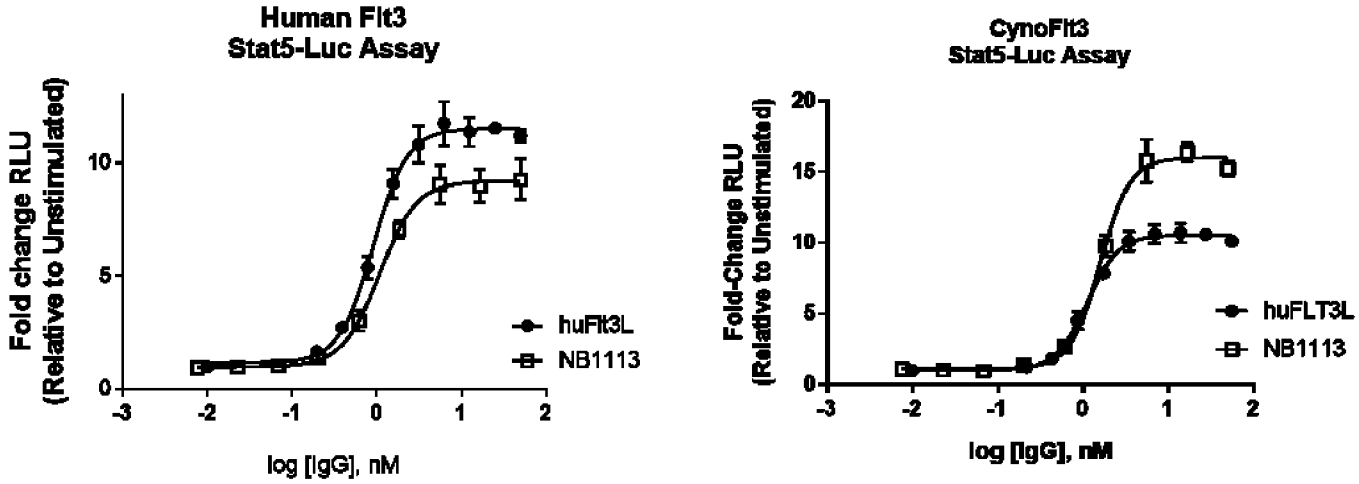

Human Flt3
Stat5-Luc Assay
Fold change RLU
(Relative to Unstimulated)
10
5
0
-3
-2
-1
0
1
2
log [IgG], nM
huFlt3L
NB1113
CynoFlt3
Stat5-Luc Assay
Fold-Change RLU
(Relative to Unstimulated)
20
15
10
5
0
-3
-2
-1
0
1
2
log [IgG], nM
huFLT3L
NB1113

FIG. 5

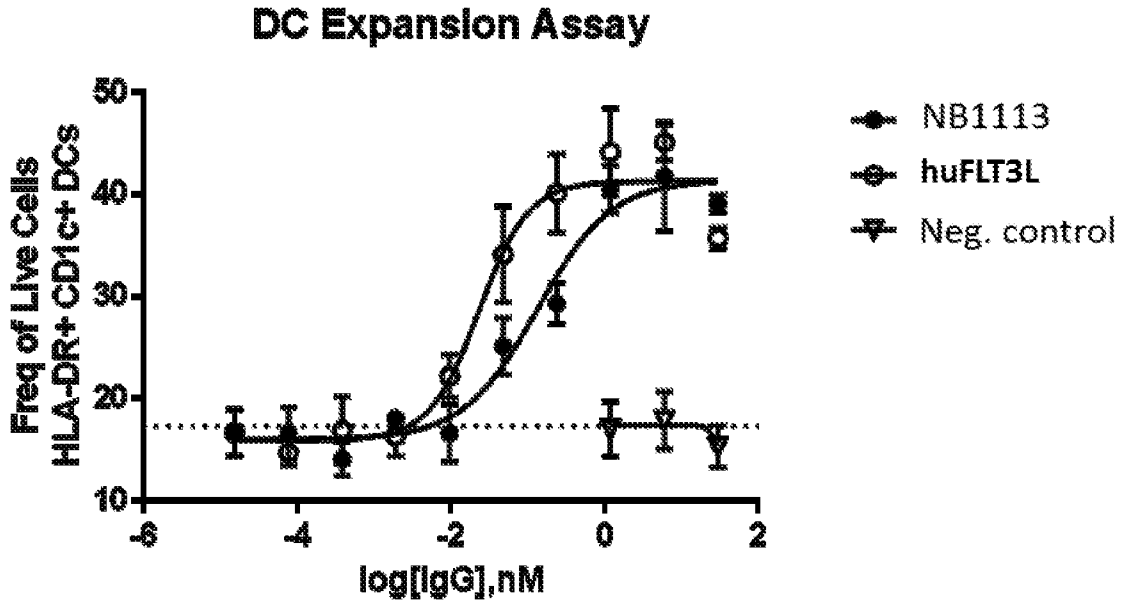

DC Expansion Assay
Freq of Live Cells
HLA-DR+ CD1c+ DCs
50
40
30
20
10
-6
-4
-2
0
2
log[IgG],nM
NB1113
huFLT3L
Neg. control

FIG. 6

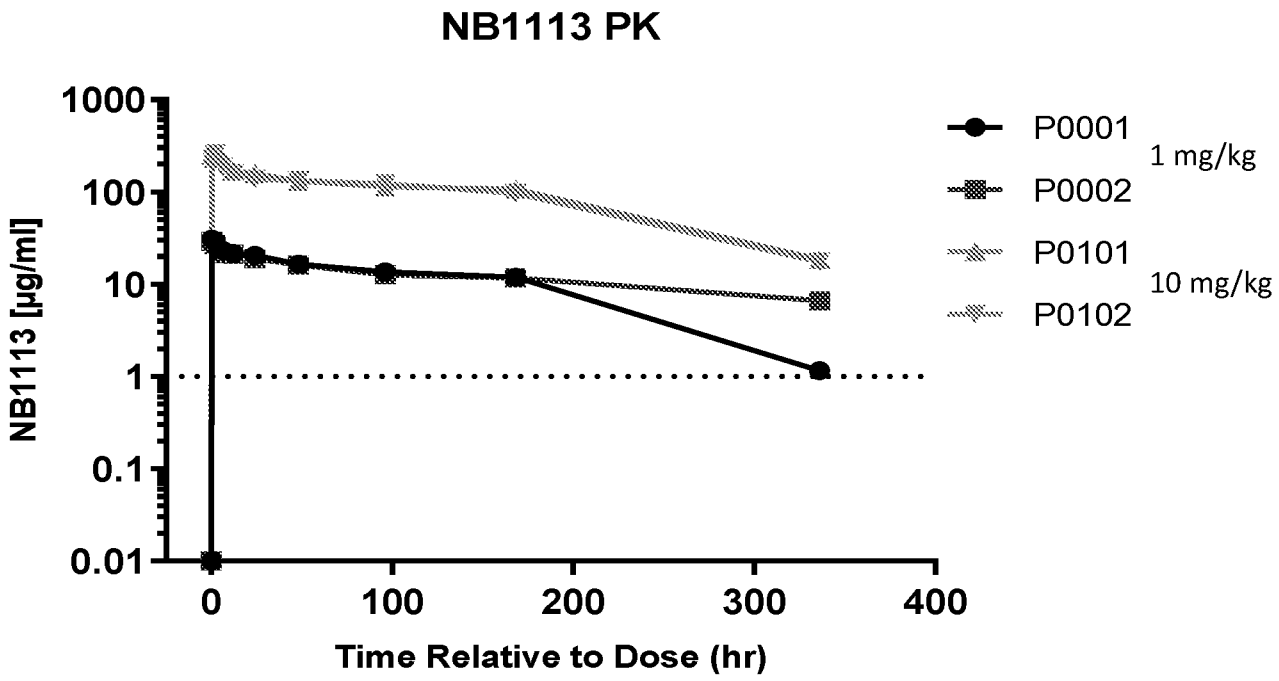

NB1113 PK
1000
100
10
1
0.1
0.01
NB1113 [µg/ml]
0
100
200
300
400
Time Relative to Dose (hr)
P0001
P0002
P0101
P0102
1 mg/kg
10 mg/kg

FIG. 7

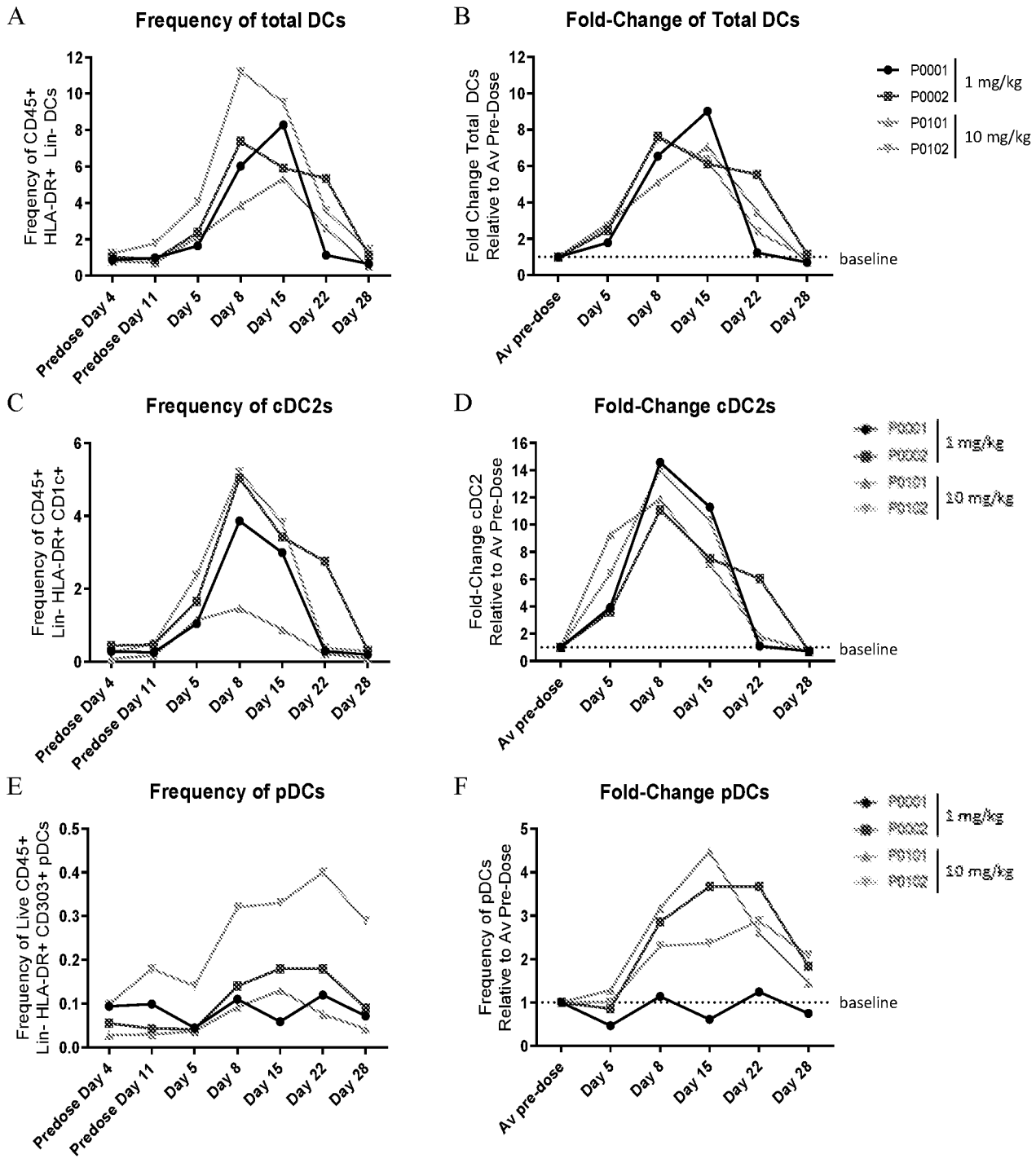

A
Frequency of total DCs
Fregency of CD45+ HLA-DR+ Lin- DCs
Predose Day 4
Predose Day 11
Day 5
Day 8
Day 15
Day 22
Day 28
B
Fold-Change of Total DCs
Fold Change Total DCs Relative to Av Pre-Dose
baseline
Av pre-dose
P0001
P0002
P0101
P0102
1 mg/kg
10 mg/kg
C
Frequency of cDC2s
Frequency of CD45+ Lin- HLA-DR+ CD1c+
D
Fold-Change cDC2s
Fold-Change cDC2 Relative to Av Pre-Dose
E
Frequency of pDCs
Frequency of Live CD45+ Lin- HLA-DR+ CD303+ pDCs
F
Fold-Change pDCs
Frequency of pDCs Relative to Av Pre-Dose

FIG. 8

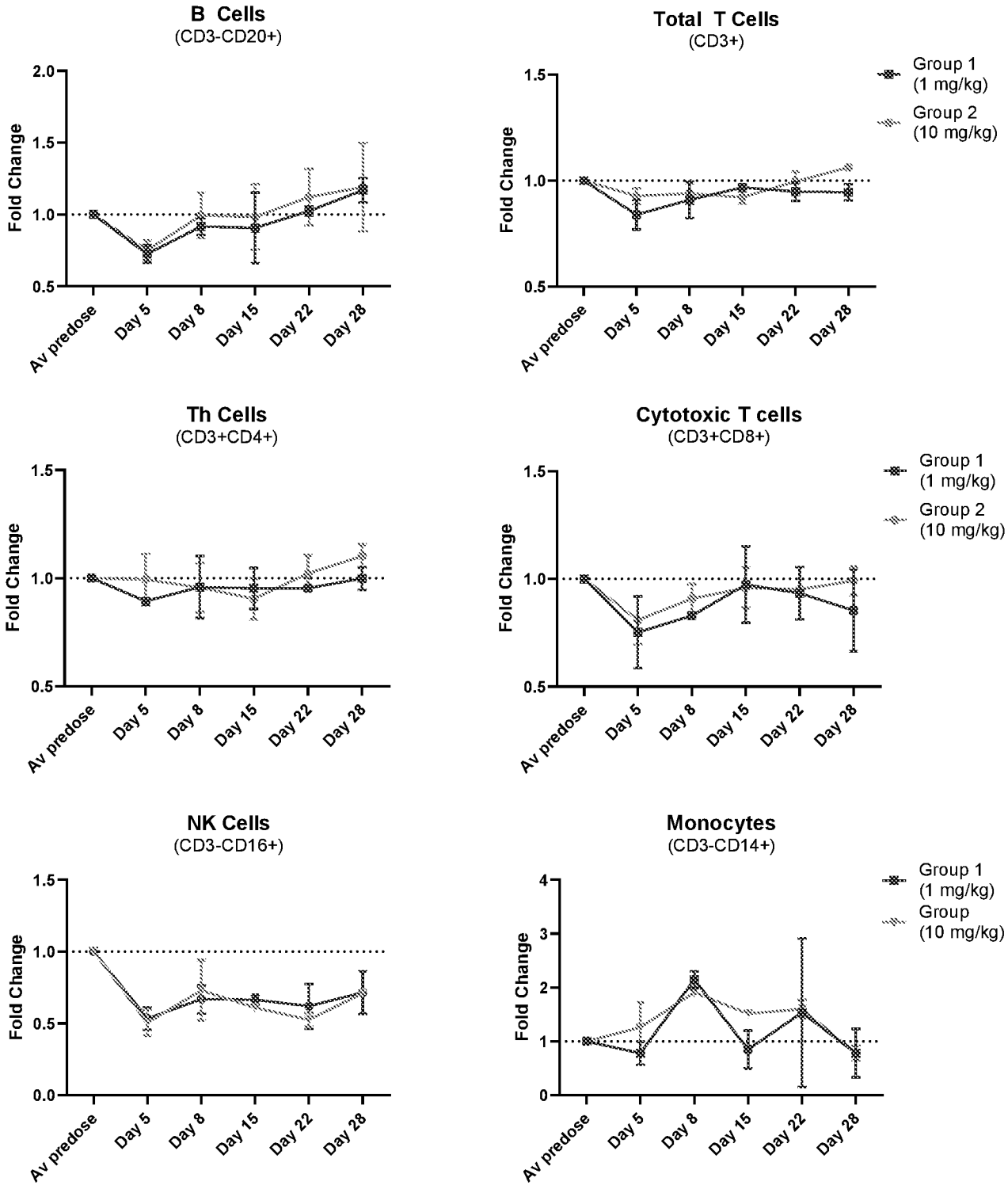

B Cells
(CD3-CD20+)
Total T Cells
(CD3+)
Th Cells
(CD3+CD4+)
Cytotoxic T cells
(CD3+CD8+)
NK Cells
(CD3-CD16+)
Monocytes
(CD3-CD14+)
Fold Change
Av predose
Day 5
Day 8
Day 15
Day 22
Day 28
Group 1
(1 mg/kg)
Group 2
(10 mg/kg)
Group
(10 mg/kg)

FIG. 9

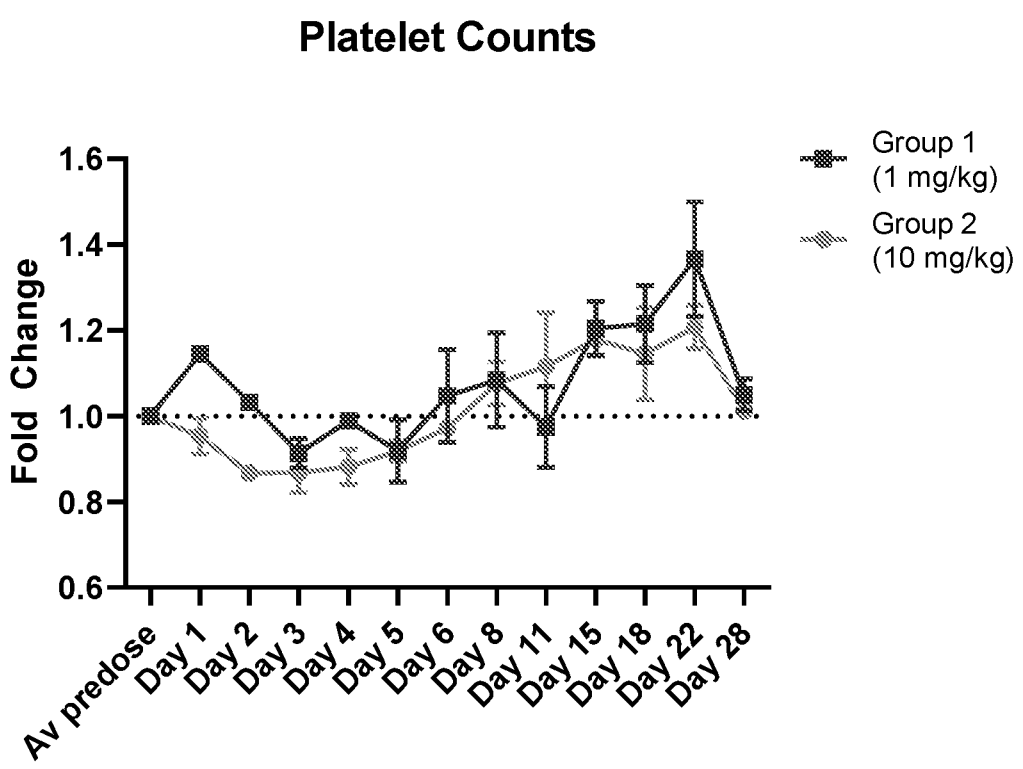

Platelet Counts
Fold Change
1.6
1.4
1.2
1.0
0.8
0.6
Av predose
Day 1
Day 2
Day 3
Day 4
Day 5
Day 6
Day 8
Day 11
Day 15
Day 18
Day 22
Day 28
Group 1
(1 mg/kg)
Group 2
(10 mg/kg)

FIG. 10