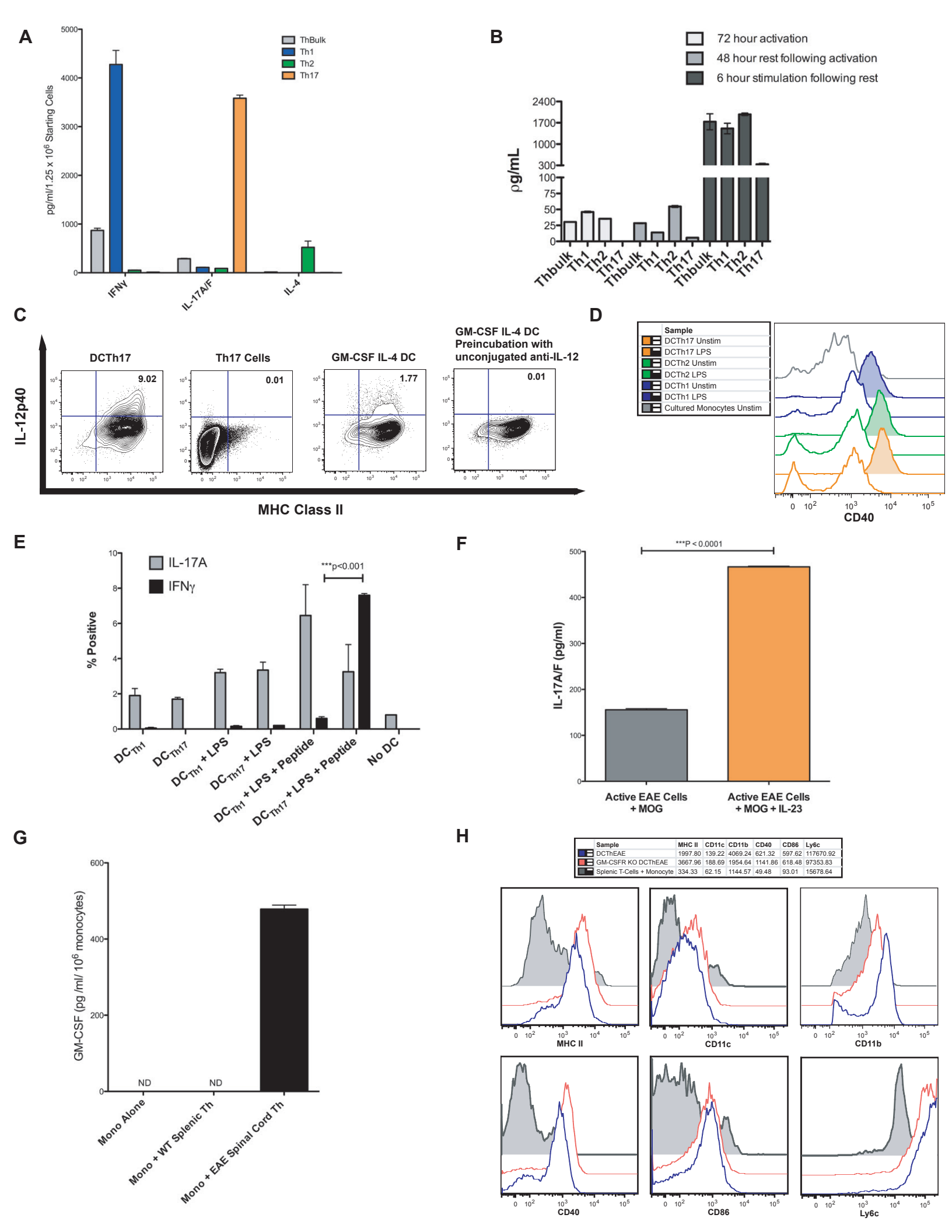
A
ThBulk
Th1
Th2
Th17
pg/ml/1.25 x 10^6 Starting Cells
IFNγ
IL-17A/F
IL-4
B
72 hour activation
48 hour rest following activation
6 hour stimulation following rest
pg/mL
Thbulk
Th1
Th2
Th17
C
DCTh17
Th17 Cells
GM-CSF IL-4 DC
GM-CSF IL-4 DC Preincubation with unconjugated anti-IL-12
9.02
0.01
1.77
0.01
IL-12p40
MHC Class II
D
Sample
DCTh17 Unstim
DCTh17 LPS
DCTh2 Unstim
DCTh2 LPS
DCTh1 Unstim
DCTh1 LPS
Cultured Monocytes Unstim
CD40
E
IL-17A
IFNγ
***p<0.001
% Positive
DC Th1
DC Th17
DC Th1 + LPS
DC Th17 + LPS
DC Th1 + LPS + Peptide
DC Th17 + LPS + Peptide
No DC
F
***P < 0.0001
IL-17A/F (pg/ml)
Active EAE Cells + MOG
Active EAE Cells + MOG + IL-23
G
GM-CSF (pg /ml/ 10^6 monocytes)
ND
ND
Mono Alone
Mono + WT Splenic Th
Mono + EAE Spinal Cord Th
H
Sample | MHC II | CD11c | CD11b | CD40 | CD86 | Ly6c
DCThEAE | 1997.80 | 139.22 | 4069.24 | 621.32 | 597.62 | 117670.92
GM-CSFR KO DCThEAE | 3667.96 | 188.69 | 1954.64 | 1141.86 | 618.48 | 97353.83
Splenic T-Cells + Monocyte | 334.33 | 62.15 | 1144.57 | 49.48 | 93.01 | 15678.64
MHC II
CD11c
CD11b
CD40
CD86
Ly6c