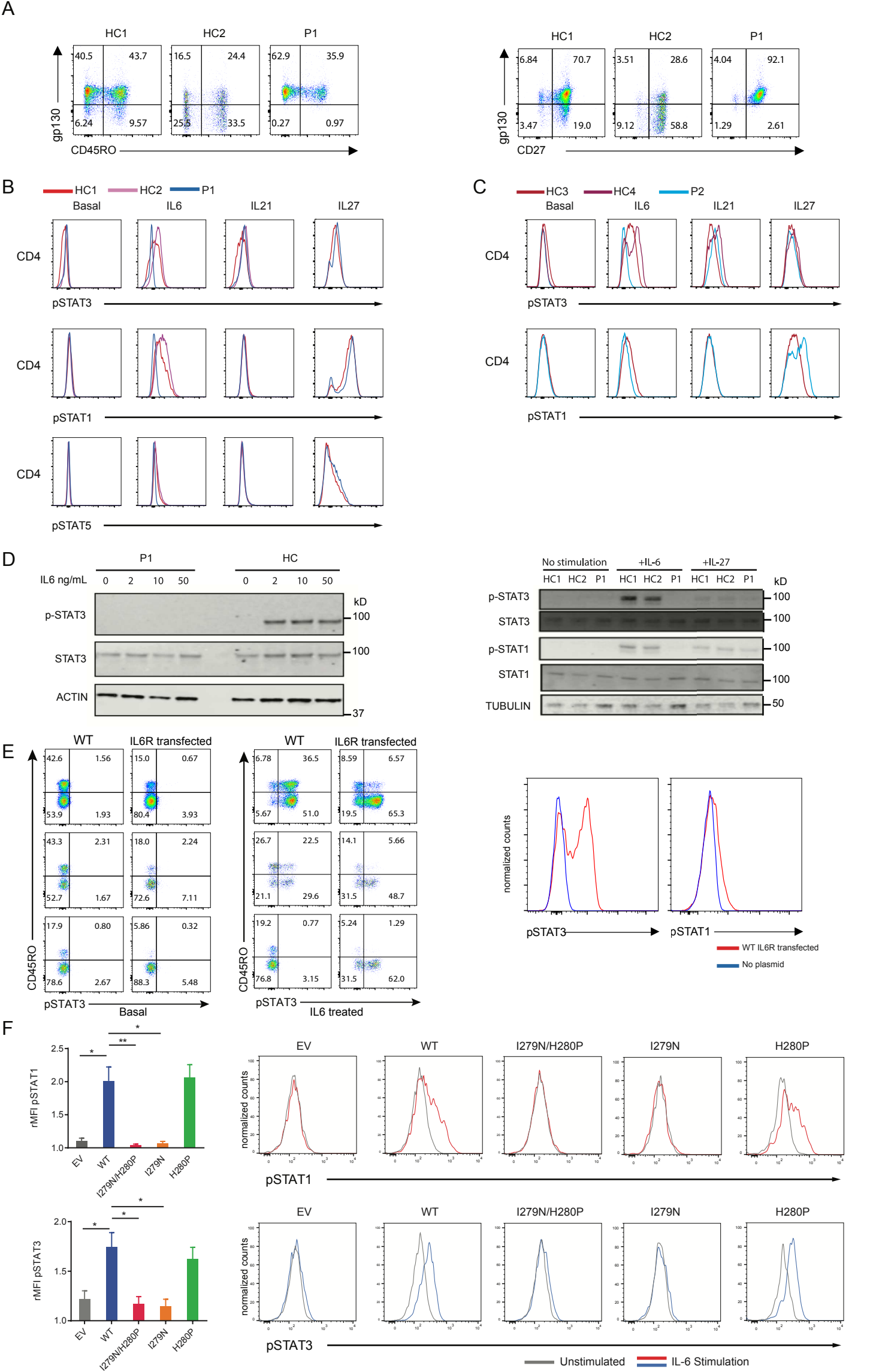
A
HC1
HC2
P1
40.5
43.7
6.24
9.57
16.5
24.4
25.5
33.5
62.9
35.9
0.27
0.97
gp130
CD45RO
HC1
HC2
P1
6.84
70.7
3.47
19.0
3.51
28.6
9.12
58.8
4.04
92.1
1.29
2.61
gp130
CD27
B
HC1
HC2
P1
Basal
IL6
IL21
IL27
CD4
pSTAT3
CD4
pSTAT1
CD4
pSTAT5
C
HC3
HC4
P2
Basal
IL6
IL21
IL27
CD4
pSTAT3
CD4
pSTAT1
D
P1
HC
IL6 ng/mL
0
2
10
50
0
2
10
50
kD
p-STAT3
100
STAT3
100
ACTIN
37
No stimulation
+IL-6
+IL-27
HC1 HC2 P1 HC1 HC2 P1 HC1 HC2 P1
kD
p-STAT3
100
STAT3
100
p-STAT1
100
STAT1
100
TUBULIN
50
E
WT
IL6R transfected
42.6
1.56
53.9
1.93
15.0
0.67
80.4
3.93
43.3
2.31
52.7
1.67
18.0
2.24
72.6
7.11
17.9
0.80
78.6
2.67
5.86
0.32
88.3
5.48
CD45RO
pSTAT3
Basal
WT
IL6R transfected
6.78
36.5
5.67
51.0
8.59
6.57
19.5
65.3
26.7
22.5
21.1
29.6
14.1
5.66
31.5
48.7
19.2
0.77
76.8
3.15
5.24
1.29
31.5
62.0
CD45RO
pSTAT3
IL6 treated
normalized counts
pSTAT3
pSTAT1
WT IL6R transfected
No plasmid
F
rMFI pSTAT1
2.5
2.0
1.5
1.0
*
**
*
EV
WT
I279N/H280P
I279N
H280P
EV
WT
I279N/H280P
I279N
H280P
normalized counts
pSTAT1
rMFI pSTAT3
2.0
1.5
1.0
*
*
*
EV
WT
I279N/H280P
I279N
H280P
EV
WT
I279N/H280P
I279N
H280P
normalized counts
pSTAT3
Unstimulated
IL-6 Stimulation