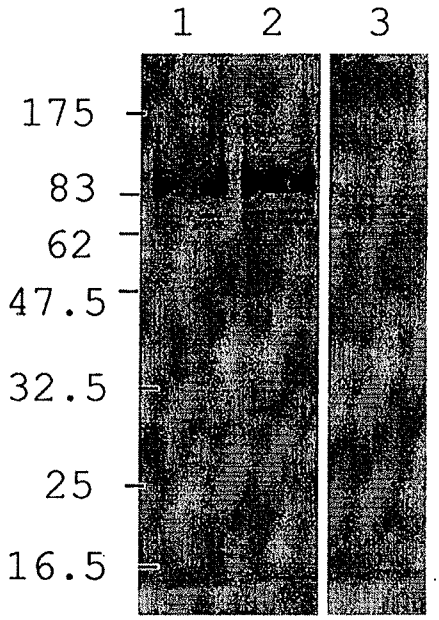
Figure 1



1. 1F11
2. 2F4
3. irrevelant IgG

Figure 2

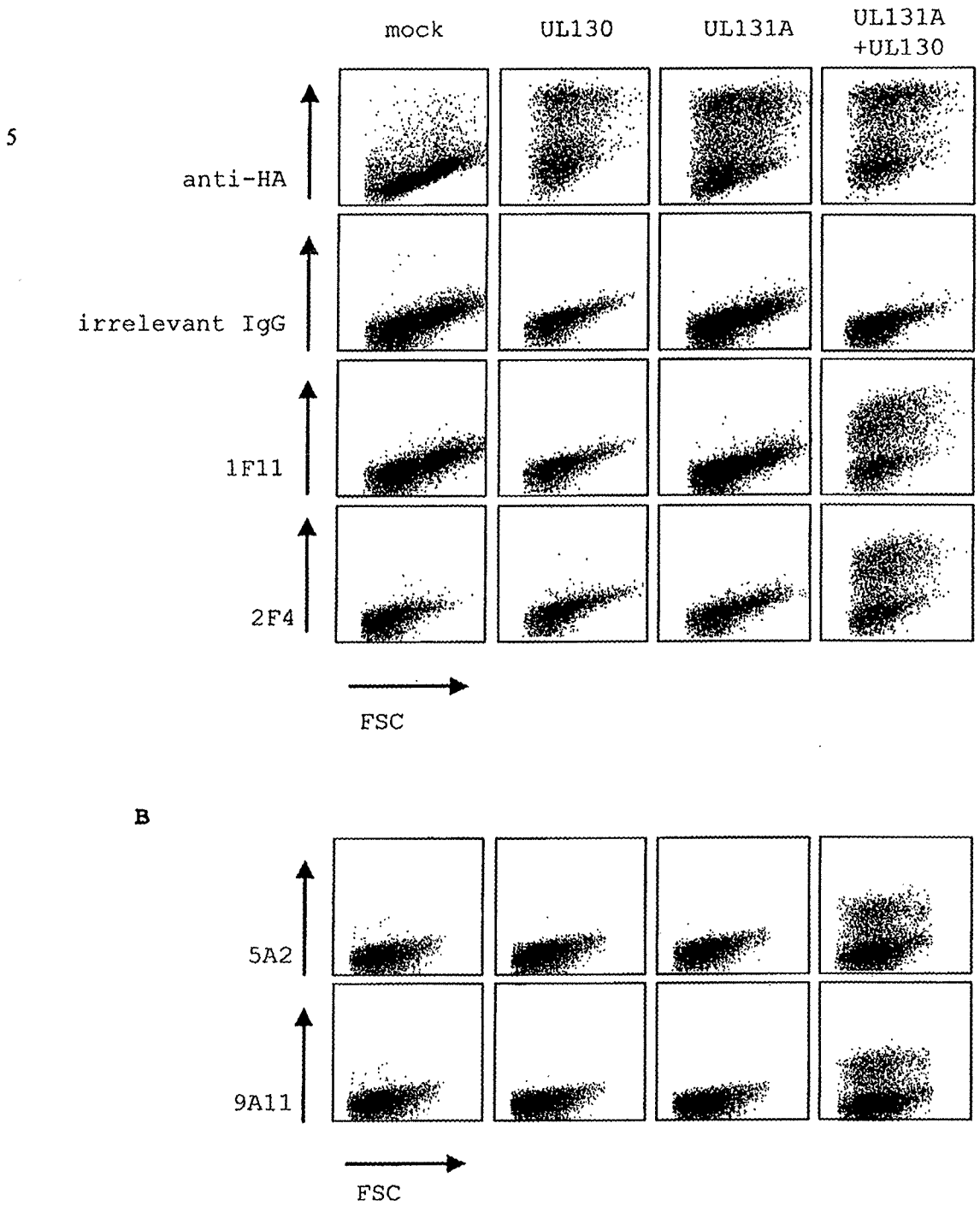

A
mock
UL130
UL131A
UL131A +UL130
anti-HA
irrelevant IgG
1F11
2F4
FSC
B
5A2
9A11
FSC

Figure 3

1F11-VH

caggtgcagctggtggagtctgggggaggcgtggtccagcctgggaggtccgtgagactctcctgtgtggcctctgg
attcaccttcagttcctatgctatgcactgggtccgccaggctccgggcaaggggctggaatgggtgtcactt**atat**
cctttgatggagacaataaatactatgcagactccgtgaggggccgattcacaatctccagagacagttcccagaag
acgctctttctgcaaatgaacagcctgagagttgaggacacggctatatattactgt**gcgagagaggagttagtcgg**
attgatgcctccctactacaattatggtttggacgtctggggccaagggaccacggtcaccgtctcctca

QVQLVESGGGVVQPGRSVRLSCVAS**GFTFSSYA**MHWVRQAPGKGLEWVSL**ISFDGDNK**YYADSVRGRFTISRDSSQK
TLFLQMNSLRVEDTAIYYC**AREELVGLMPPYYNYGLDV**WGQGTTVTVSS

1F11-VL

cagtctgtgttgacgcagccgccctcagtgtctgcggccccaggacagaaggtcaccatctcctgctctggaagc**ag**
ctccaacattggaaataattttgtatcctggtaccagcaactccccggaacagcccccaaactcctcatttat**gaca**
atgataggcgaccctcagggattcctgaccgattctctggctccaagtctgacacgtcagccaccctggtcatcacc
ggactccagactggggacgaggccgattactactgc**gaaacatgggatggcagcctgaatcctgctgtggta**ttcgg
cggagggaccaggctgaccgtccta

QSVLTQPPSVSAAPGQKVTISCSGS**SSNIGNNF**VSWYQQLPGTAPKLLIY**DND**RRPSGIPDRFSGSKSDTSATLVIT
GLQTGDEADYYC**ETWDGSLNPAVV**FGGGTRLTVL

2F4-VH

caggtgcagctggtggagtctgggggaggcgtggtccagcctgggaggtccctgagactctcctgtgcagcgtct**gg**
attcagtttcaatacatatgggatgcactgggtccgccaggctccaggcaaggggctggagtgggtggcagtt**atat**
gggatgatggaagtaaaatgtaccatgcggactccgtgaagggccgattcaccatctccagagacaattccaaaaac
acactgtatctccaaatgaacagtctgagagccgaggatacggctgtgtattactgt**gcgagagacgagggtgcaat**
aatgctgcacgccatgactgactacggtttggacgtctggggccaagggaccacagtcaccgtct

QVQLVESGGGVVQPGRSLRLSCAAS**GFSFNTYG**MHWVRQAPGKGLEWVAV**IWDDGSKM**YHADSVKGRFTISRDNSKN
TLYLQMNSLRAEDTAVYYC**ARDEGAIMLHAMTDYGLDV**WGQGTTVTV

2F4-VL

tcctatgagctgactcagccaccctcagtgtccgtgtccccaggacagacagccaccatcacctgctctggagat**aa**
tttgggggatgagtttgcttgctggtatcagcagaagccaggccagtctcctgtgctggtcatctat**caggattcc**a
agcggccctcagggatccctgagcgattctctggctccagctctgggaacacagccactctgaccatccgcgggacc
caggctatggatgaggctgactactactgt**caggcgtgggacagcagcactgcccattatgtct**tcggaactgggac
caaggtcaccgtccta

SYELTQPPSVSVSPGQTATITCSGD**NLGDEF**ACWYQQKPGQSPVLVIY**QDS**KRPSGIPERFSGSSSGNTATLTIRGT
QAMDEADYYC**QAWDSSTAHYV**FGTGTKVTVL

Figure 4

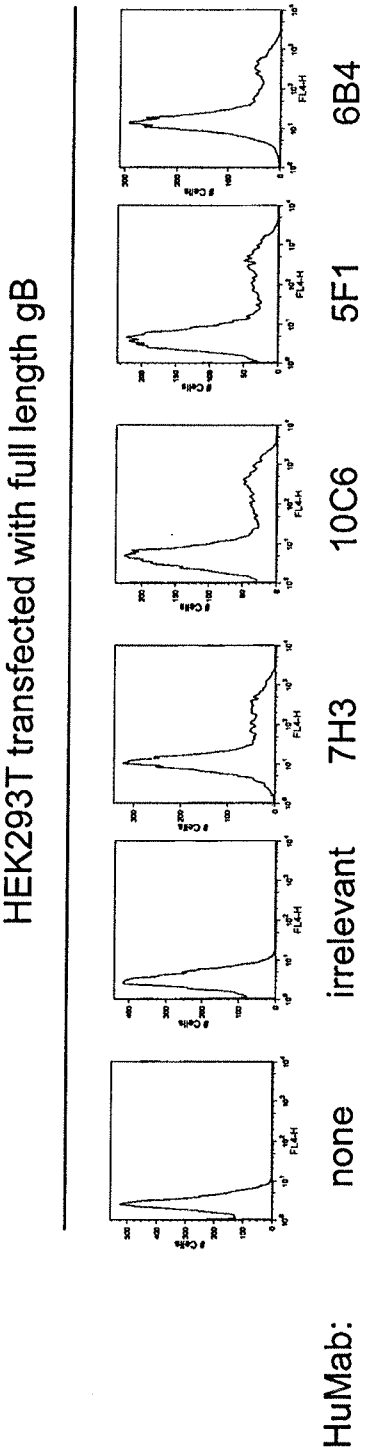

HEK293T transfected with full length gB
HuMab:
none
irrelevant
7H3
10C6
5F1
6B4

Figure 5

5A2 - VH

caggtgcagctggtgcagtctggggctgaggtgaggaagcctgggtcctcggtgaaggtctcctgca
aggcttct**ggaggcaccttcagcagctatgtt**atccactgggtgcgacaggcccctggacaagggct
tgagtggatgggggggg**atcatccctatctttaatacagca**aactacgcacagaaggtccagggcaga
gtcacgattaccgcggacgaatccacgagcacagcctacatggagctgagcagcctgagatctgaag
acactgccatatattactgt**gcgagggattttctatcaggtcctatggaaatgcccggcggctacta**
cggtttggacgtctggggccaagggaccacggtcaccgtctcctca

QVQLVQSGAEVRKPGSSVKVSCKAS**GGTFSSYV**IHWVRQAPGQGLEWMGG**IIPIFNTA**NYAQKVQGR
VTITADESTSTAYMELSSLRSEDTAIYYC**ARDFLSGPMEMPGGYYGLDV**WGQGTTVTVSS

5A2 - VK

gacatcgtgatgacccagtctccagactccctggctgtgtctctgggcgagagggccaccatcaact
gcaagtccagc**cagagtgttttatacagttccaacaataagaactac**ttagcttggtaccagcagaa
accaggacagcctcctaagctgctcatttac**tgggcatct**acccgggaatccggggtccctgaccga
ttcagtggcagcgggtctgggacagatttcactctcaccatcagcagcctgcaggctgaagatgtgg
cagtttattactgt**cagcaatattatagtactcctatcacc**ttcggccaagggacacgactggagat
taaa

DIVMTQSPDSLAVSLGERATINCKSS**QSVLYSSNNKNY**LAWYQQKPGQPPKLLIY**WAS**TRESGVPDR
FSGSGSGTDFTLTISSLQAEDVAVYYC**QQYYSTPIT**FGQGTRLEIK