

Alignment VH:		
#28-VH	QVQLQQSGAELVKPGASVKMSCKAFGYTFTTYPIEWMKQNHGKSLEWIGNFHPYNDDET	60
10D10-VH	EVQLVESGGGVVQPGRSLRLSCAASGFTFSYPIEWVRQAPGQGLEWIGNFHLYNDDTK	60
7C7-VH	EVQLVESGGGVVQPGRSLRLSCAASGFTFSYPIEWVRQAPGQGLEWIGNFHPYNDDET	60
#28-VH	NEKFKGKAKLTVEKSSSTVYLELSRLTSDDSAVYYCARGDDYGMQYWGQGTSTVTVSS	117
10D10-VH	NEKFKGRVTMTTDTSTSTVYMESSLRSED TAVYYCTRGGDYGMQYWGQGTTLVTVSS	117
7C7-VH	NEKFKGRVTMTTDTSTSTVYMESSLRSED TAVYYCTRGGDYGLDYWGQGTTLVTVSS	117

Figure 1A

Alignment VL:					
#28-VL	DIVMTQSQKFMS	TSVGD	RVSIITCKASQNV	RTAVAWYQQKPGQSPKALIYIASNRHTG	VPD 60
10D10-VL	NIQMTQSPSSL	SASVG	DRVTITCKASQNV	RTAVAWYQQKPGKAPKRLIYIASNRHTG	VPS 60
7C7-VL	NIQMTQSPSSL	SASVG	DRVTITC[ASQNV	RTAVAWYQQKPGKAPKRLIYIASNRHTG	VPS 60
#28-VL	RFTGSGSGTDF	TLTIS	NVQSEDLADYFCIQHWNYPFTFGSGTKLEIK		107
10D10-VL	RFSGSGSGTDF	TLTIS	SLSQSEDFATYYCIQHWNYPFTFGPGTKLEIK		107
7C7-VL	RFSGSGSGTDF	TLTIS	SLSQSEDFATYYCIQHWNYPFTFGPGTKLEIK		107

Figure 1B

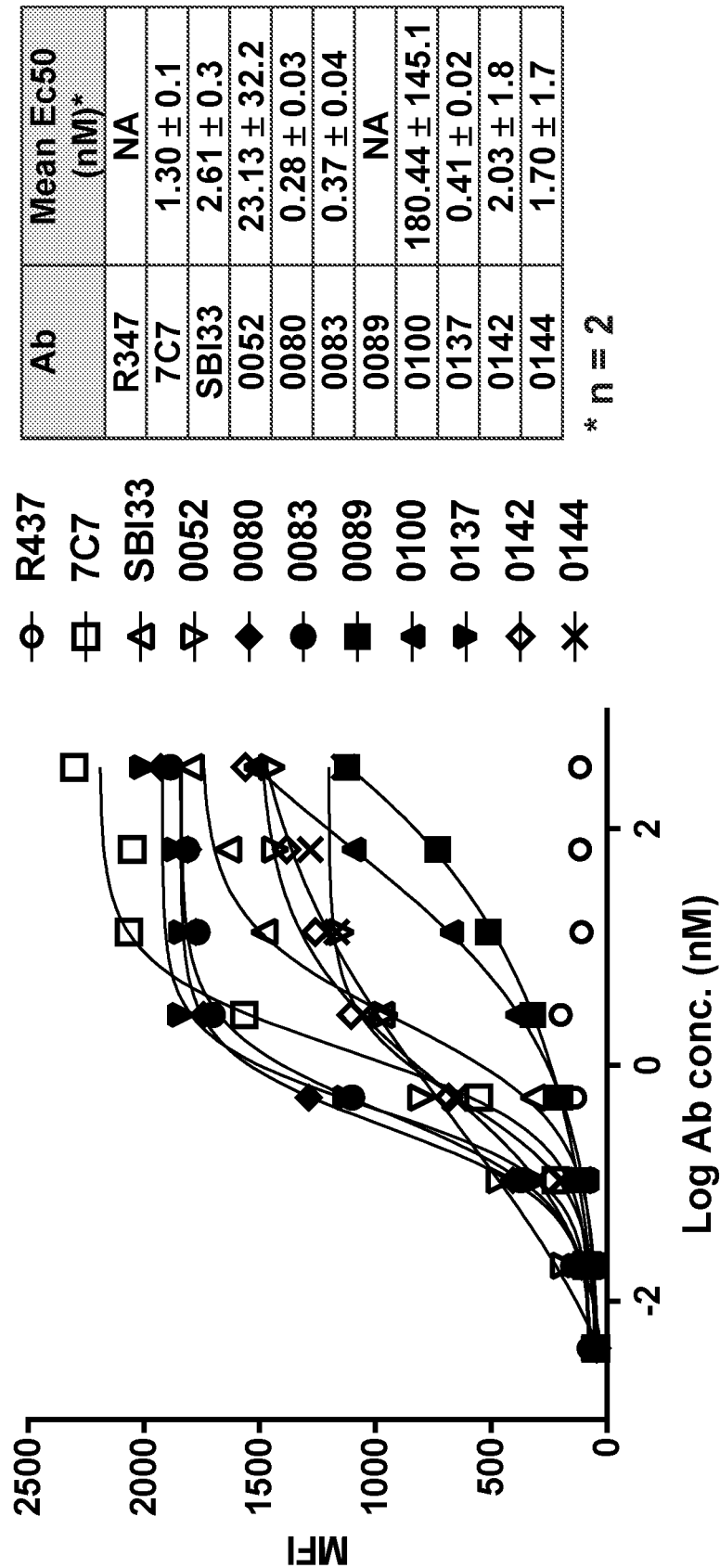


Figure 2

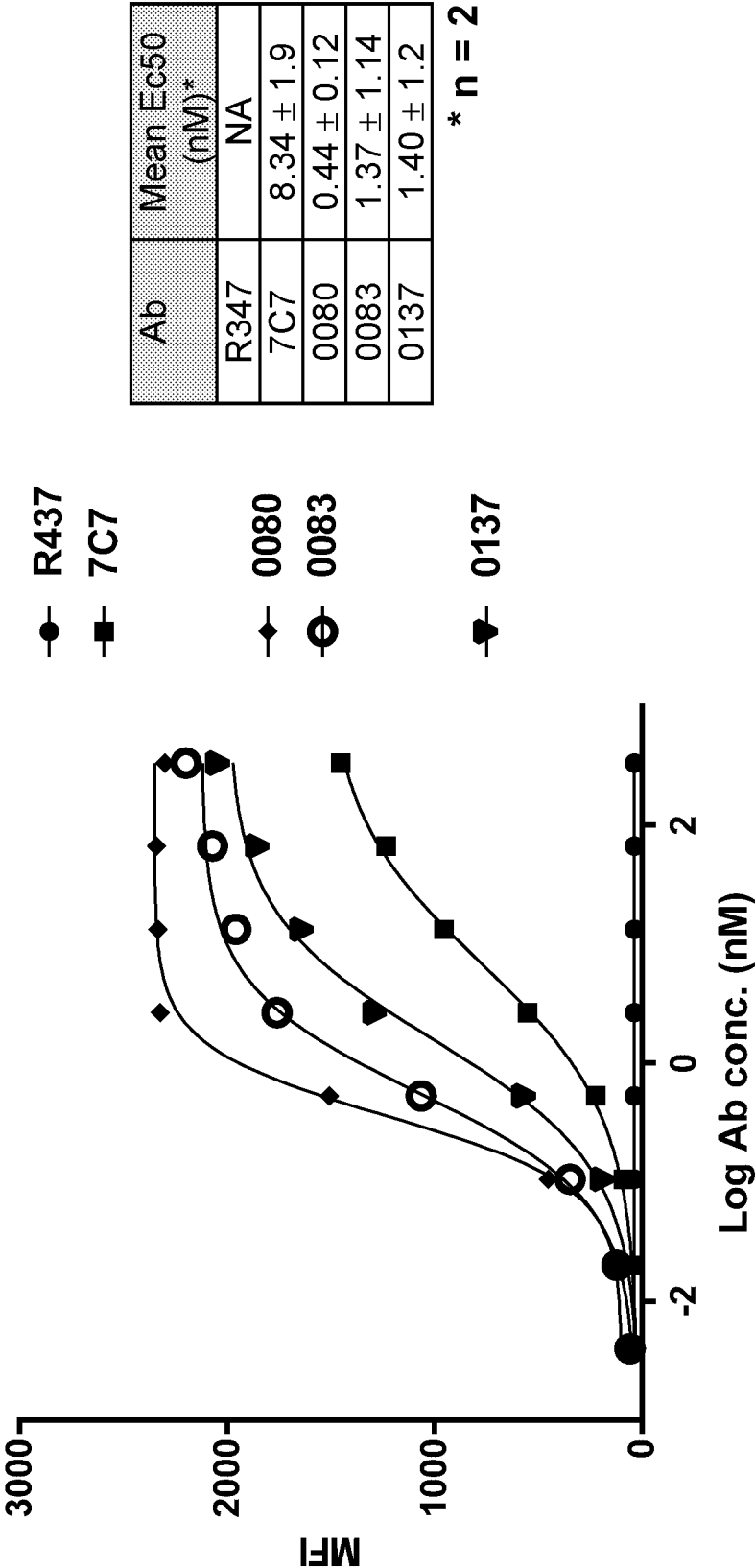


Figure 3

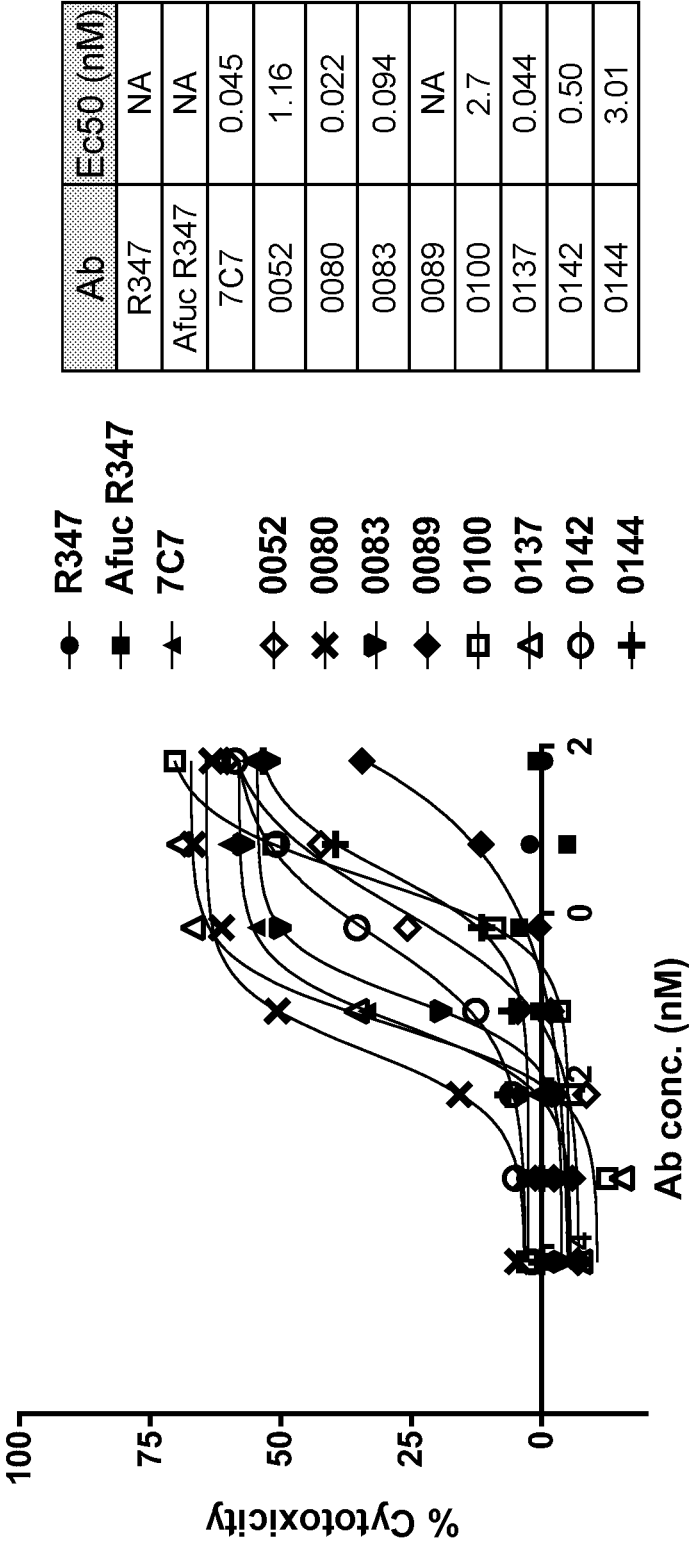


Figure 4

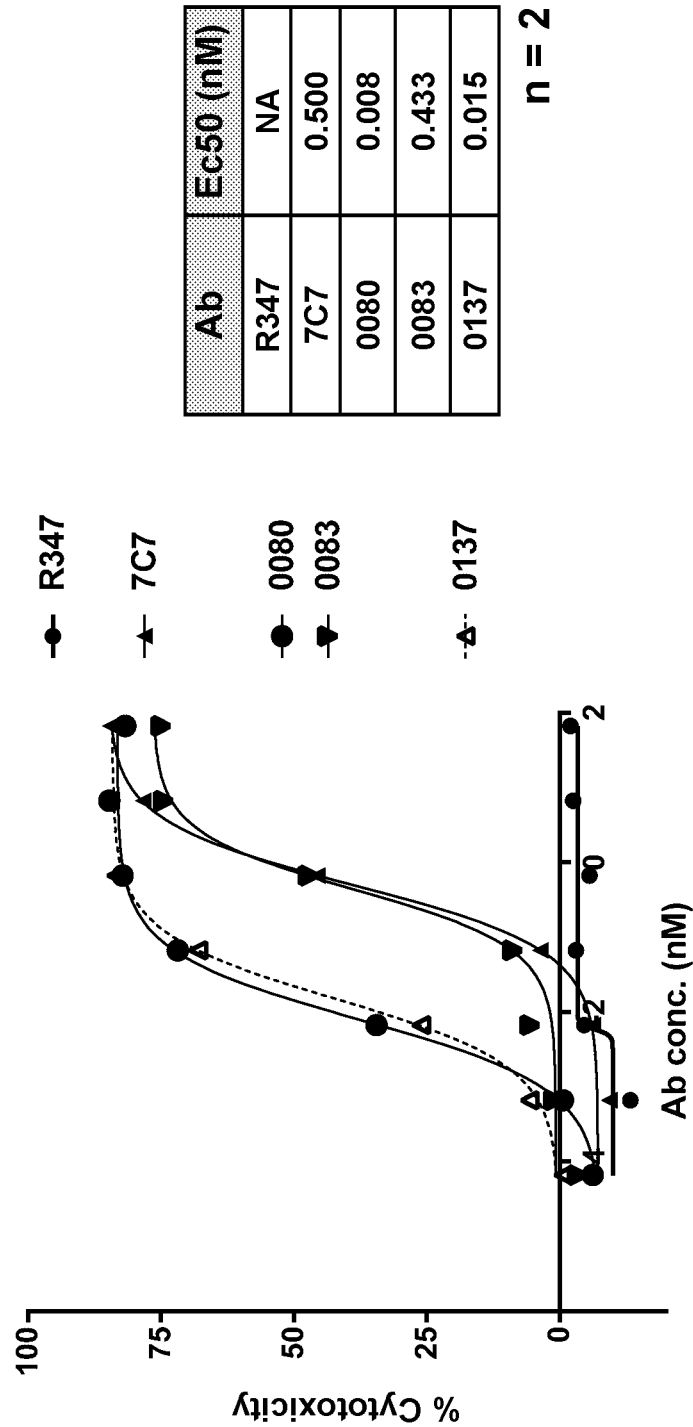


Figure 5

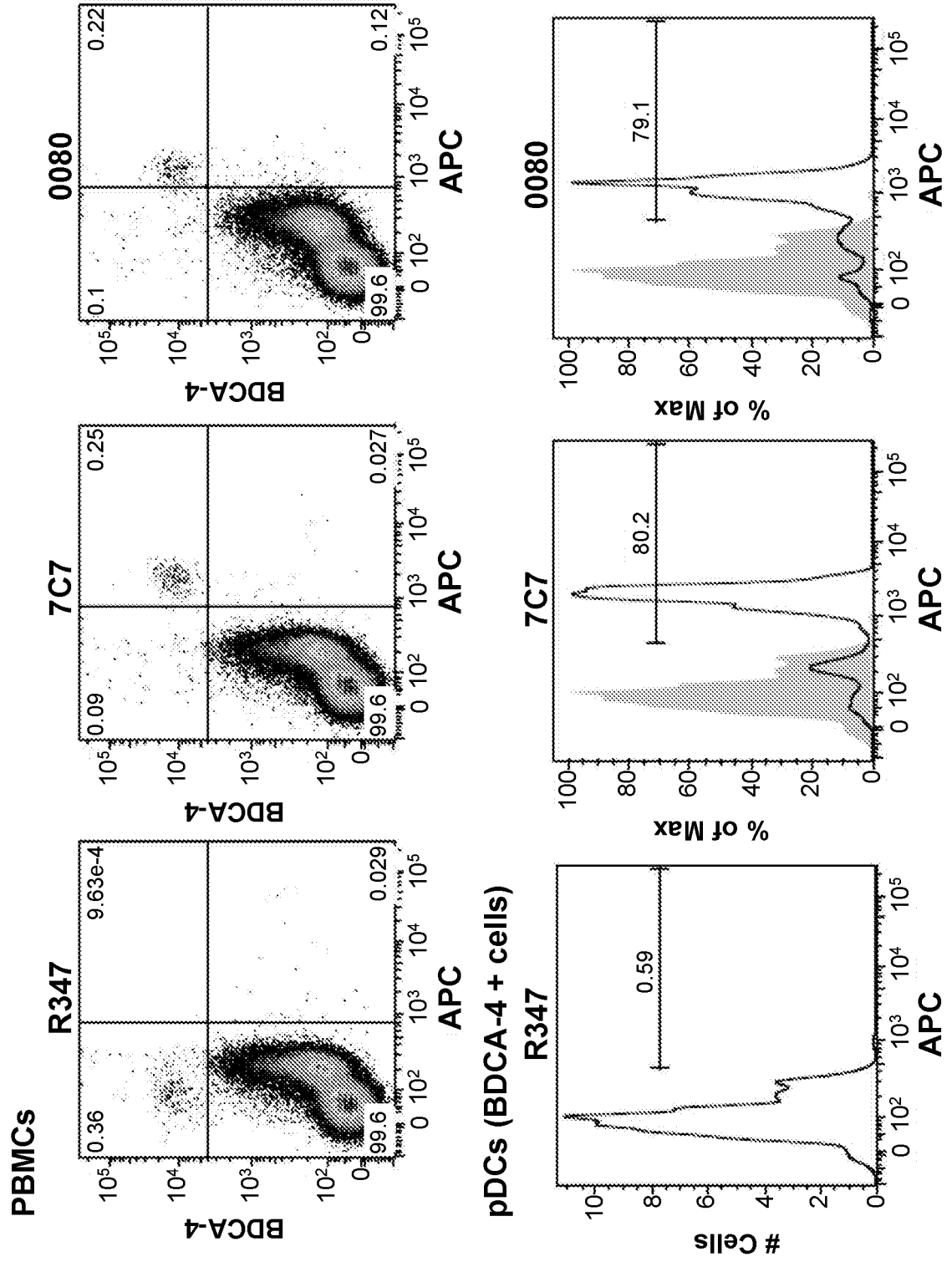


Figure 6A

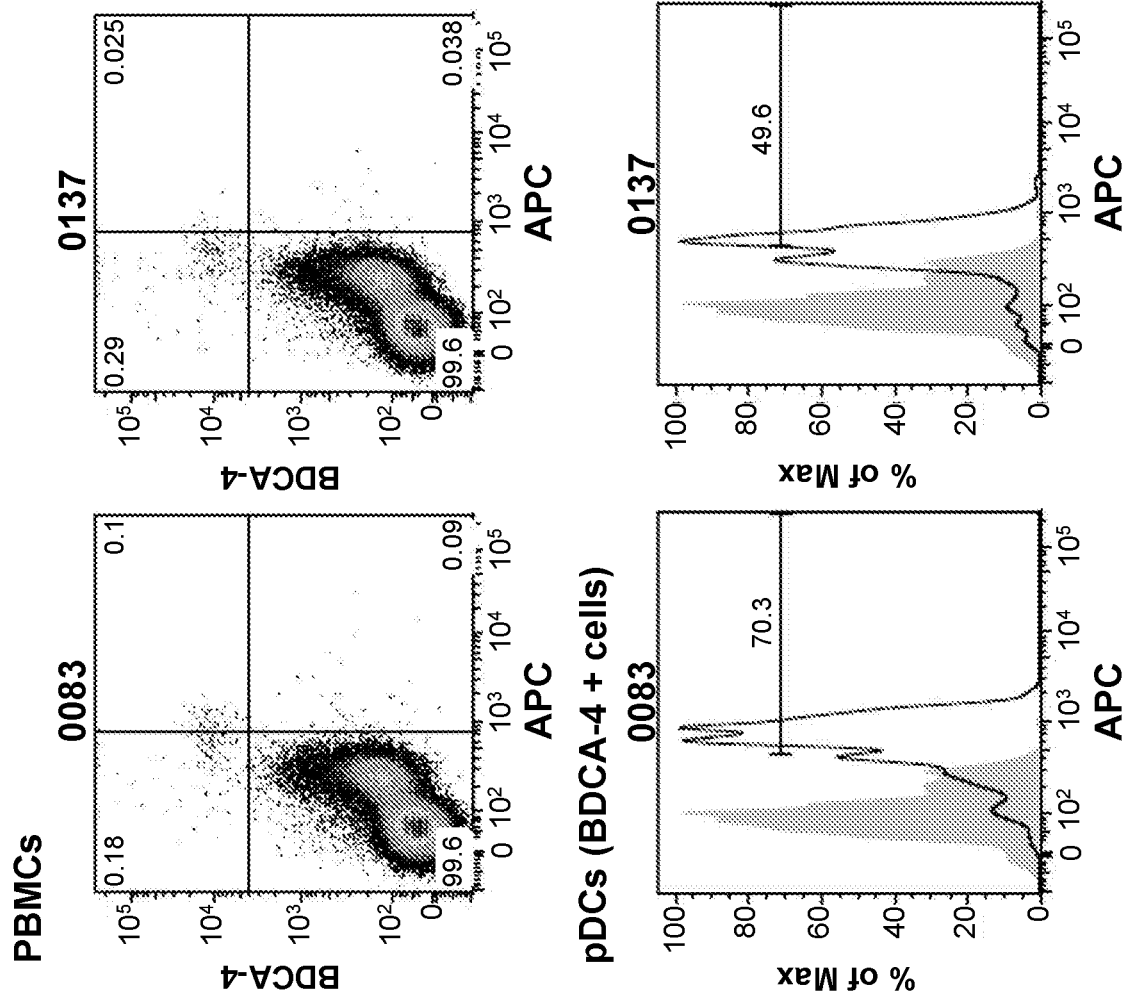
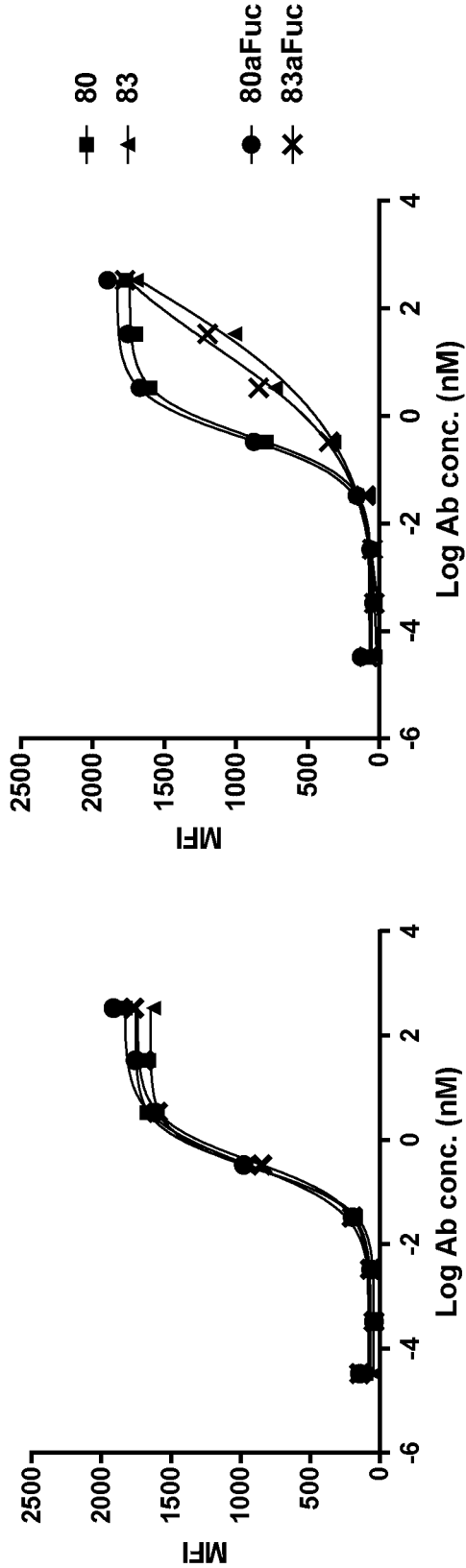


Figure 6B

Human ILT7

Cyno ILT7

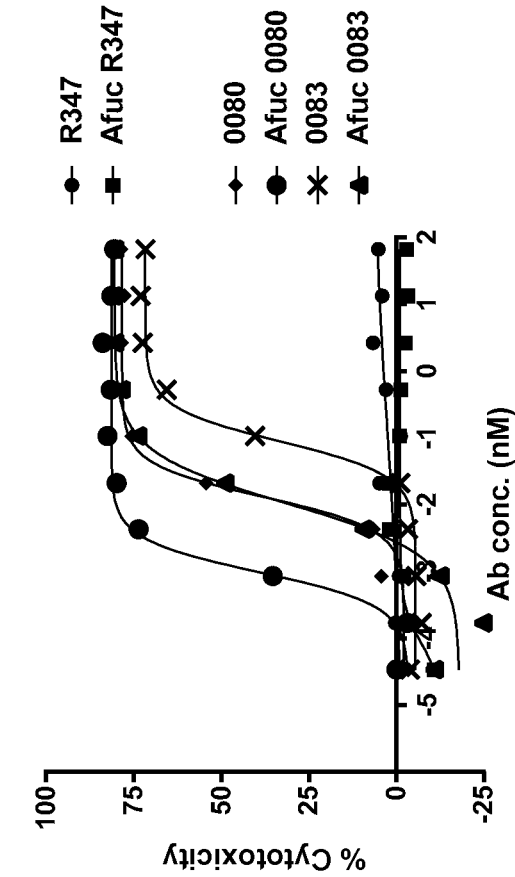


Ab	Ec50 (nM)
0080	0.30
Afuc 0080	0.34
0083	0.25
Afuc 0083	0.38

Ab	Ec50 (nM)
0080	0.41
Afuc 0080	0.40
0083	-
Afuc 0083	-

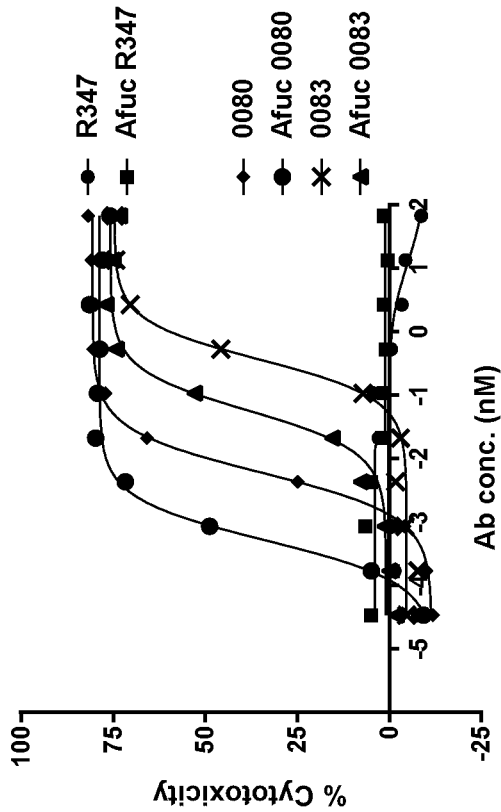
Figure 7

Human ILT7



Ab	Ec50 (pM)
R347	NA
Afuc R347	NA
0080	13
Afuc 0080	1
0083	89
Afuc 0083	10

Cyno ILT7



Ab	Ec50 (pM)
R347	NA
Afuc R347	NA
0080	6.0
Afuc 0080	0.51
0083	360
Afuc 0083	57

Figure 8

Heavy chain sequence alignment

	FW 1	CDR 1	FW 2	CDR 2
ILT70080	QVQLVQSGAEVKAPGTSVKVSCKASGDSFRNYAVS	---	WVRQAPGGGLEWGMAMP	---SFGTREHSQQFN
ILT70080.1	QVQLVQSGAEVKKPGSSVKVSCKASGDSFRNYAVS	---	WVRQAPGGGLEWGMAMP	---SFGTREHSQQFG
ILT70080.2	QVQLVQSGAEVKKPGSSVKVSCKASGDSFRNYAVS	---	WVRQAPGGGLEWGMAMP	---SFGTREHSQQFG
ILT70080.3	QVQLVQSGAEVKAPGTSVKVSCKASGDSFRNYAVS	---	WVRQAPGGGLEWGMAMP	---SFGTREHSQQFG
ILT70080.4	QVQLVQSGAEVKAPGTSVKVSCKASGDSFRNYAVS	---	WVRQAPGGGLEWGMAMP	---SFGTREHSQQFG
ILT70080.5	QVQLVQSGAEVKKPGSSVKVSCKASGDSFRNYAVS	---	WVRQAPGGGLEWGMAMP	---SFGTREHSQQFG
ILT70080.6	QVQLVQSGAEVKKPGSSVKVSCKASGDSFRNYAVS	---	WVRQAPGGGLEWGMAMP	---SFGTREHSQQFG
ILT70080.7	QVQLVQSGAEVKKPGSSVKVSCKASGDSFRNYAVS	---	WVRQAPGGGLEWGMAMP	---SFGTREHSQQFG
IGHV1-69*01	QVQLVQSGAEVKKPGSSVKVSCKASGDSFRNYAVS	---	WVRQAPGGGLEWGMAMP	---SFGTANYAKQFG

[illegible]

Figure 9A

Light chain sequence alignment

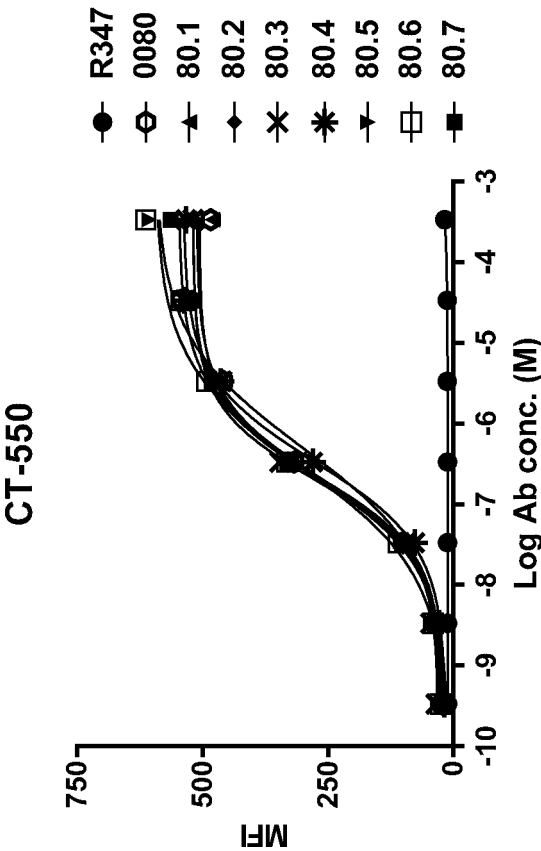
	FW 1	CDR 1	FW 2	CDR 2
ILT70080	SYELTQPPS-VSVAPGKTAKISCGGDS-----VGSTSVHWYQQKPGQAPVMVMFYN-----SDRPS			
ILT70080.1	SYELTQPPS-VSVAPGKTAKISCGGDS-----VGSTSVHWYQQKPGQAPVMVMFYN-----SDRPS			
ILT70080.2	SYELTQPPS-VSVAPGKTAKISCGGDS-----VGSTSVHWYQQKPGQAPVMVMFYN-----SDRPS			
ILT70080.3	SYELTQPPS-VSVAPGKTAKISCGGDS-----VGSTSVHWYQQKPGQAPVMVMFYN-----SDRPS			
ILT70080.4	SYELTQPPS-VSVAPGKTAKISCGGDS-----VGSTSVHWYQQKPGQAPVMVMFYN-----SDRPS			
ILT70080.5	SYELTQPPS-VSVAPGKTAKISCGGDS-----VGSTSVHWYQQKPGQAPVMVMFYN-----SDRPS			
ILT70080.6	SYELTQPPS-VSVAPGKTAKISCGGDS-----VGSTSVHWYQQKPGQAPVMVMFYN-----SDRPS			
ILT70080.7	SYELTQPPS-VSVAPGKTAKISCGGDS-----VGSTSVHWYQQKPGQAPVMVMFYN-----SDRPS			
IGLV3-21*01	SYELTQPPS-VSVAPGKTAKISCGGNN-----IGSKSVHWYQQKPGQAPVMVMFYD-----SDRPS			
	FW 3	CDR 3	FW 4	
ILT70080	GIPERFSGSISG--NTATLTI SRVEAGDEADYICQVWDTSSDH-----PEFGGGTKLTV---L			
ILT70080.1	GIPERFSGSISG--NTATLTI SRVEAGDEADYICQVWDTSSDH-----PEFGGGTKLTV---L			
ILT70080.2	GIPERFSGSISG--NTATLTI SRVEAGDEADYICQVWDTSSDH-----PEFGGGTKLTV---L			
ILT70080.3	GIPERFSGSISG--NTATLTI SRVEAGDEADYICQVWDTSSDH-----PEFGGGTKLTV---L			
ILT70080.4	GIPERFSGSISG--NTATLTI SRVEAGDEADYICQVWDTSSDH-----PEFGGGTKLTV---L			
ILT70080.5	GIPERFSGSISG--NTATLTI SRVEAGDEADYICQVWDTSSDH-----PEFGGGTKLTV---L			
ILT70080.6	GIPERFSGSISG--NTATLTI SRVEAGDEADYICQVWDTSSDH-----PEFGGGTKLTV---L			
ILT70080.7	GIPERFSGSISG--NTATLTI SRVEAGDEADYICQVWDTSSDH-----PEFGGGTKLTV---L			
IGLV3-21*01	GIPERFSGSISG--NTATLTI SRVEAGDEADYICQVWD-----PEFGGGTKLTV---L			

Figure 9B

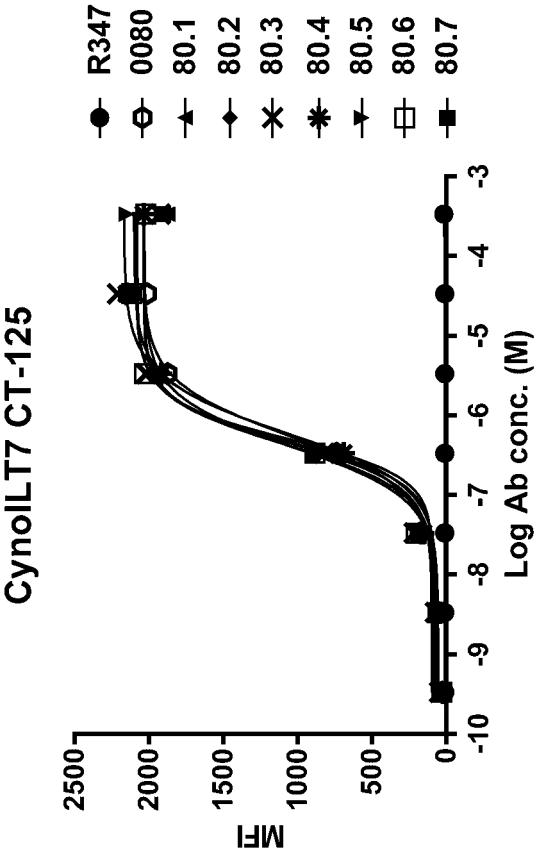
	FW 3	CDR 3	FW 4
ILT70083	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
ILT70083.1	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
ILT70083.2	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
ILT70083.3	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
ILT70083.4	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
ILT70083.5	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
ILT70083.6	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
ILT70083.7	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
ILT70083.8	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
ILT70083.9	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS
IGHV3-23*01	WFTISRDN SKNTLYLQMN SL-RAEDTAVYCCAR	RTYYDSDGHSDF	DIWGRGTLVTVSS

Figure 10A

Figure 10B



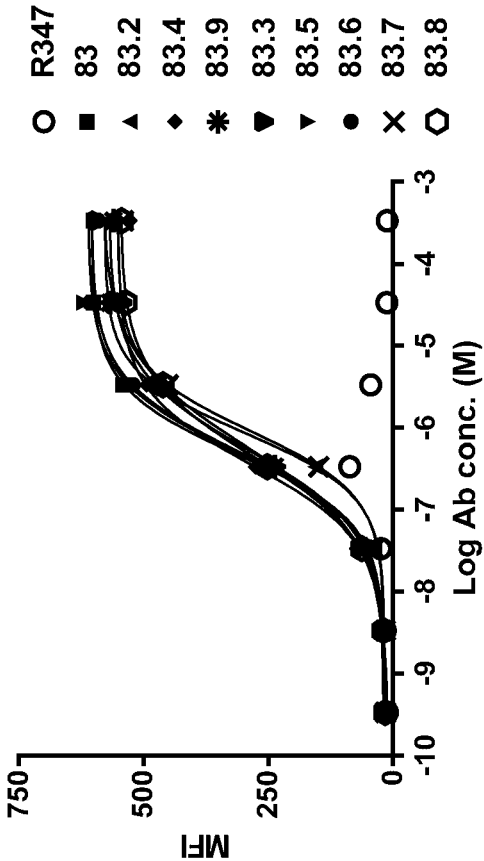
Ab	Ec50 (pM)
R347	NA
0080	213
0080.1	201
0080.2	225
0080.3	198
0080.4	337
0080.5	503
0080.6	287
0080.7	229



Ab	Ec50 (pM)
R347	NA
0080	547
0080.1	463
0080.2	503
0080.3	467
0080.4	597
0080.5	612
0080.6	428
0080.7	405

Figure 11

Ab	Ec50 (pM)
R347	NA
0083	464
0083.2	863
0083.4	353
0083.9	540
0083.3	596
0083.5	500
0083.6	516
0083.7	905
0083.8	437



Ab	Ec50 (pM)
R347	NA
0083	2650
0083.2	15000
0083.4	620
0083.9	957
0083.3	777
0083.5	2280
0083.6	1600
0083.7	9470
0083.8	711

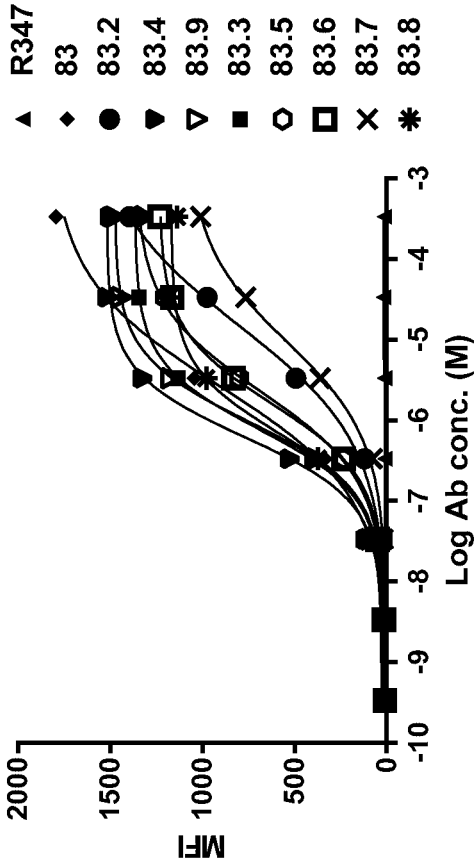


Figure 12

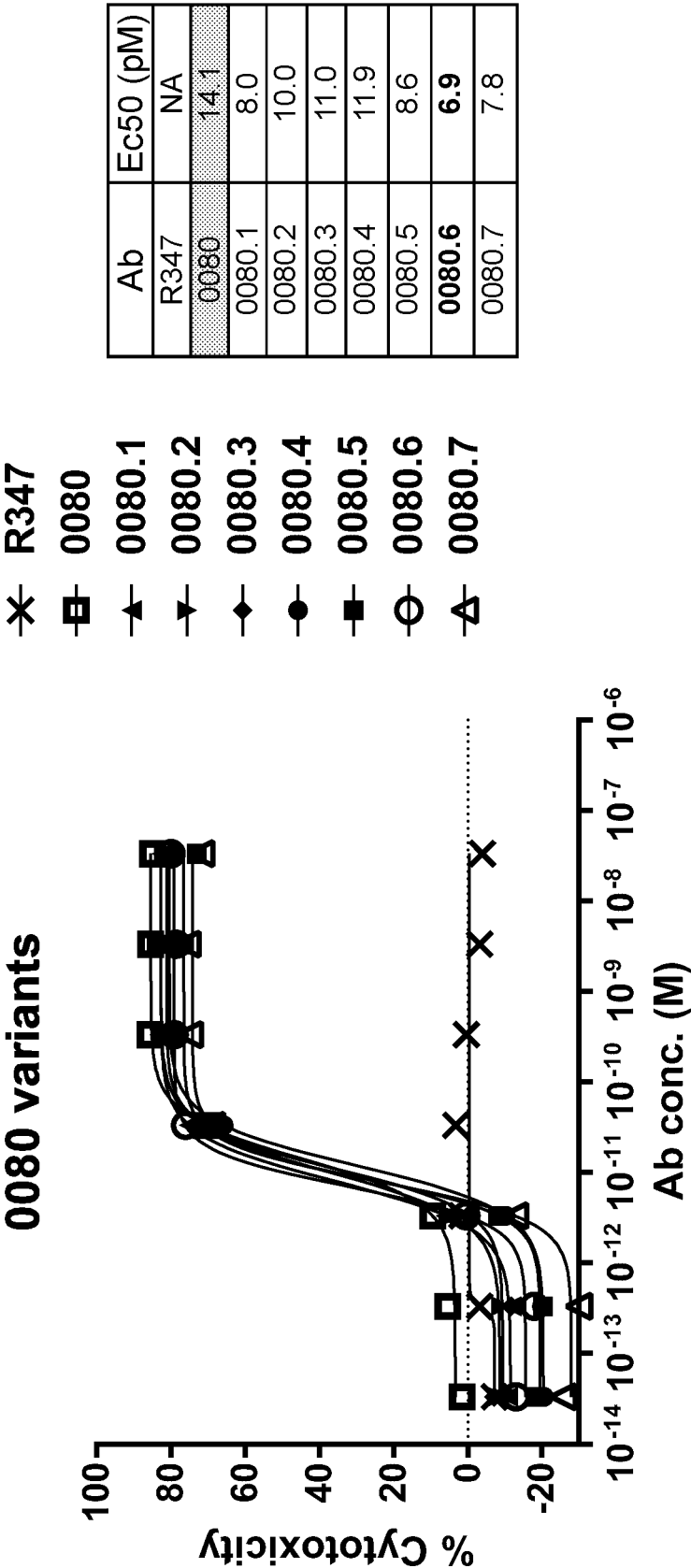


Figure 13

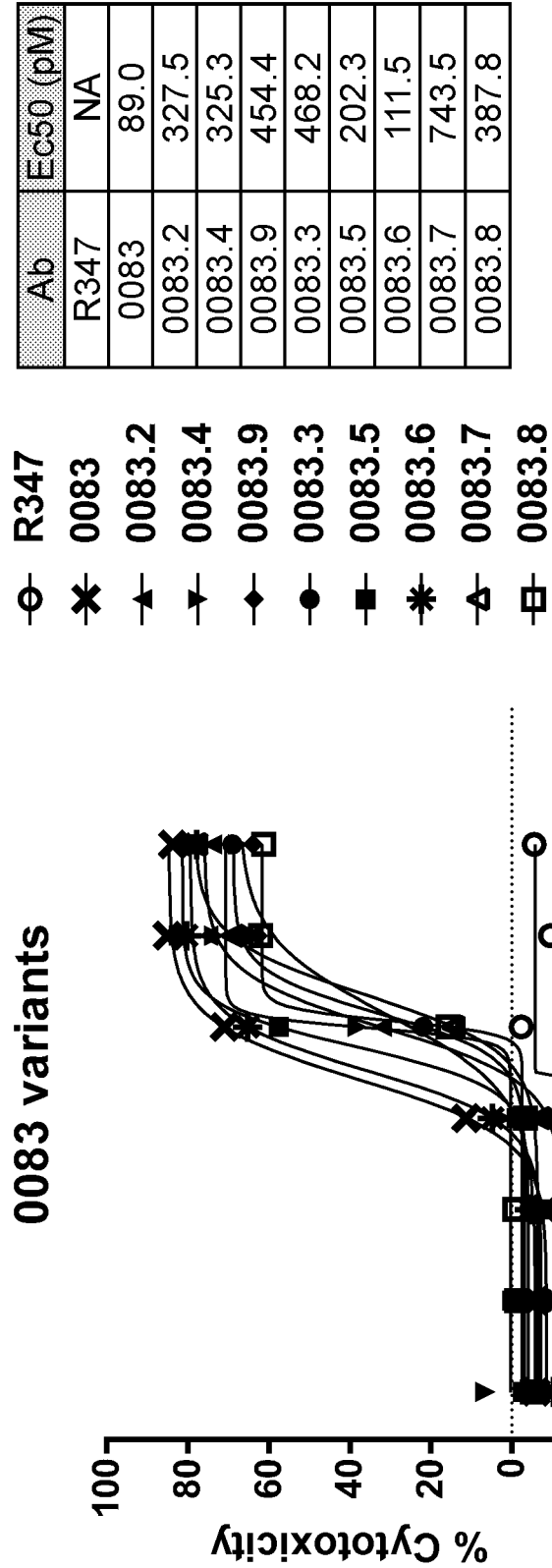
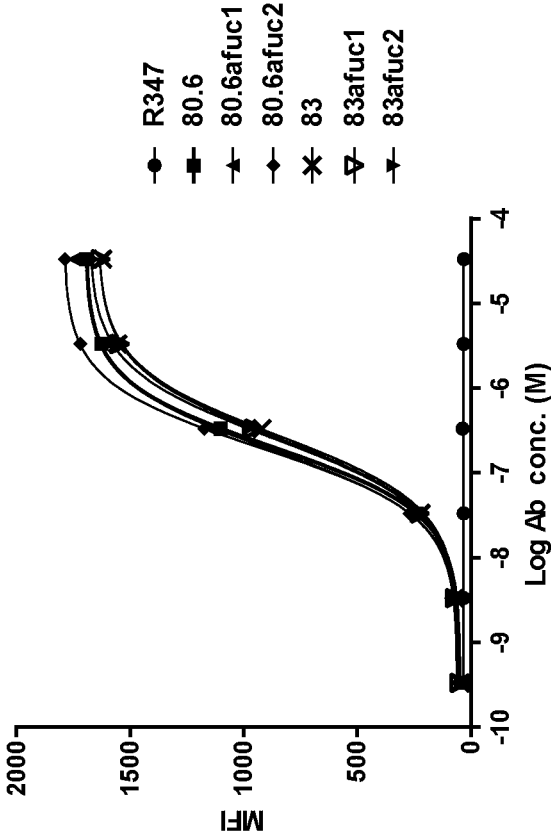


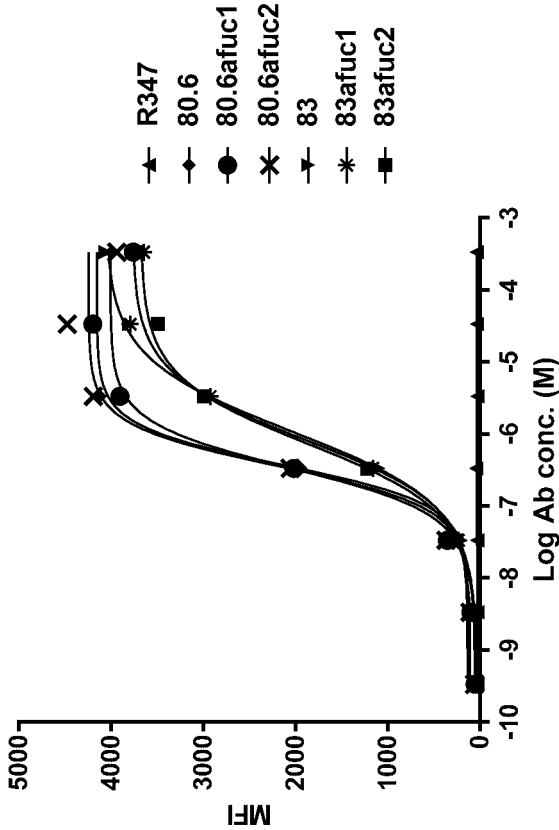
Figure 14

Human ILT7



Antibody	Ec50 (pM) Mean $\pm$ SD n=3
R347	NA
0080.6	155.4 $\pm$ 43
Afuc 0080.6	152.3 $\pm$ 34.8
0083	308.3 $\pm$ 78.1
Afuc 0083	210.8 $\pm$ 37.7

Cynomolgus ILT7



Antibody	Ec50 (pM) Mean $\pm$ SD n=3
R347	NA
0080.6	369.9 $\pm$ 2.7
Afuc 0080.6	366.2 $\pm$ 18.6
0083	1277 $\pm$ 188
Afuc 0083	863.4 $\pm$ 70.1

Figure 15

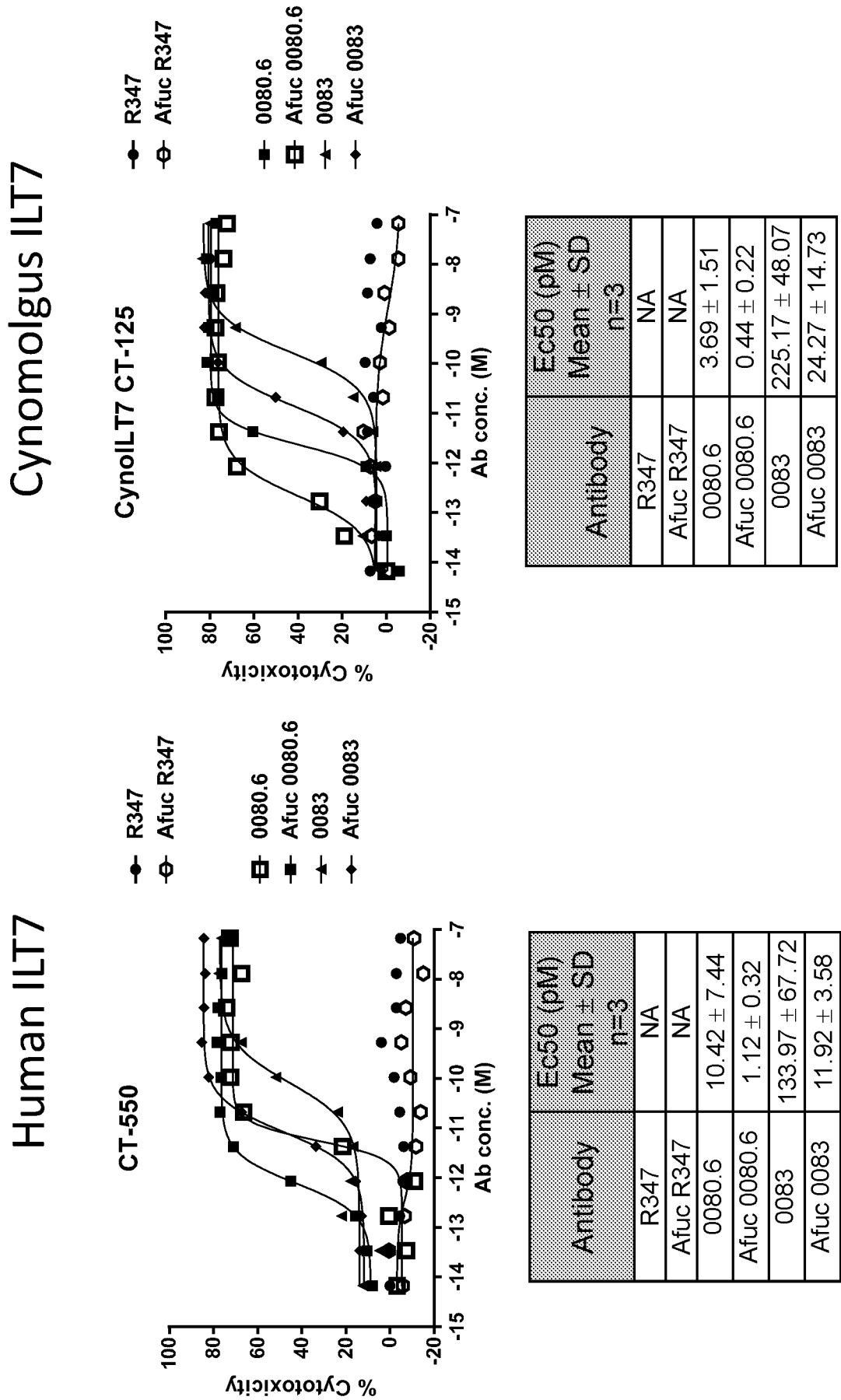


Figure 16

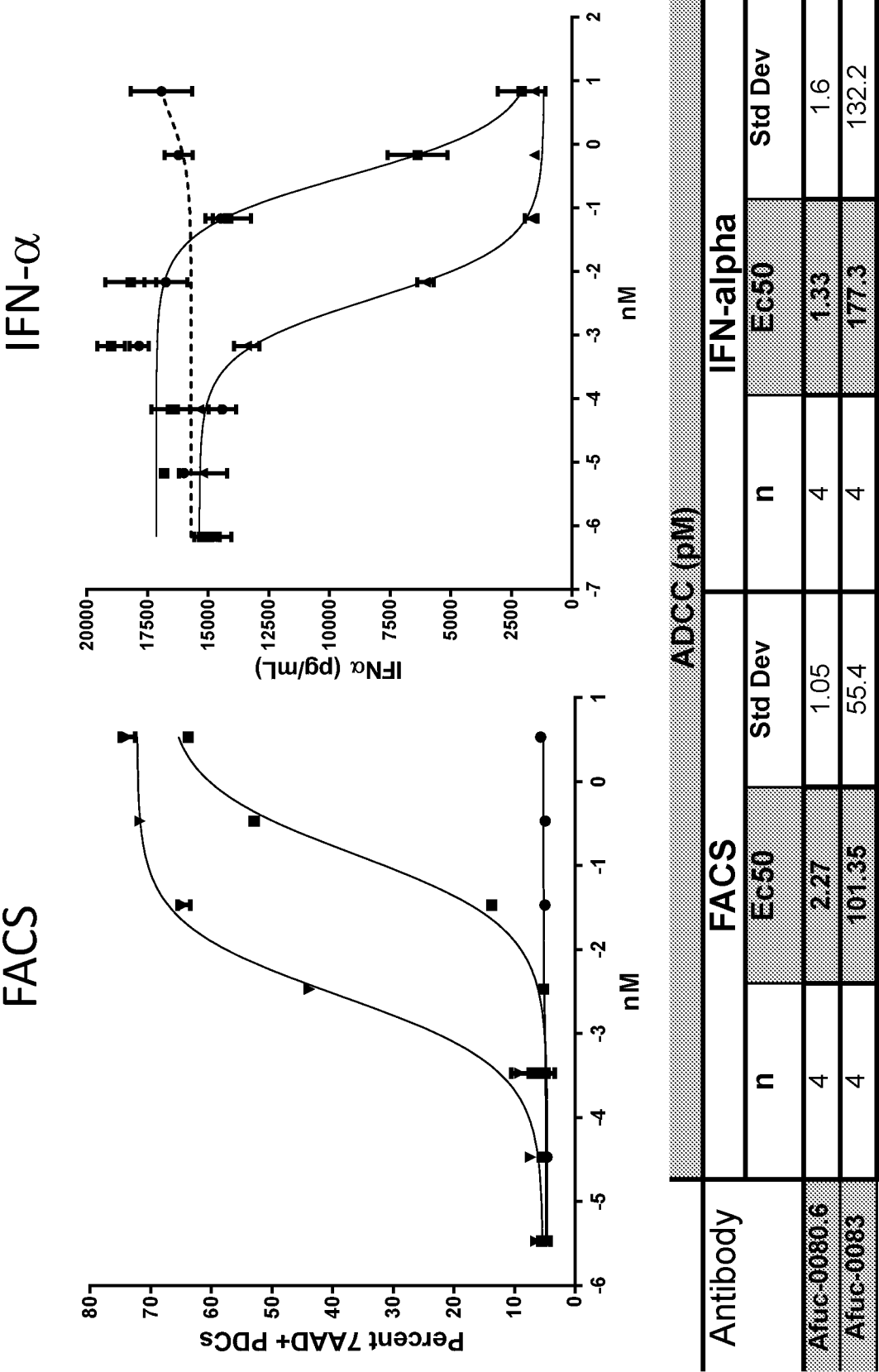
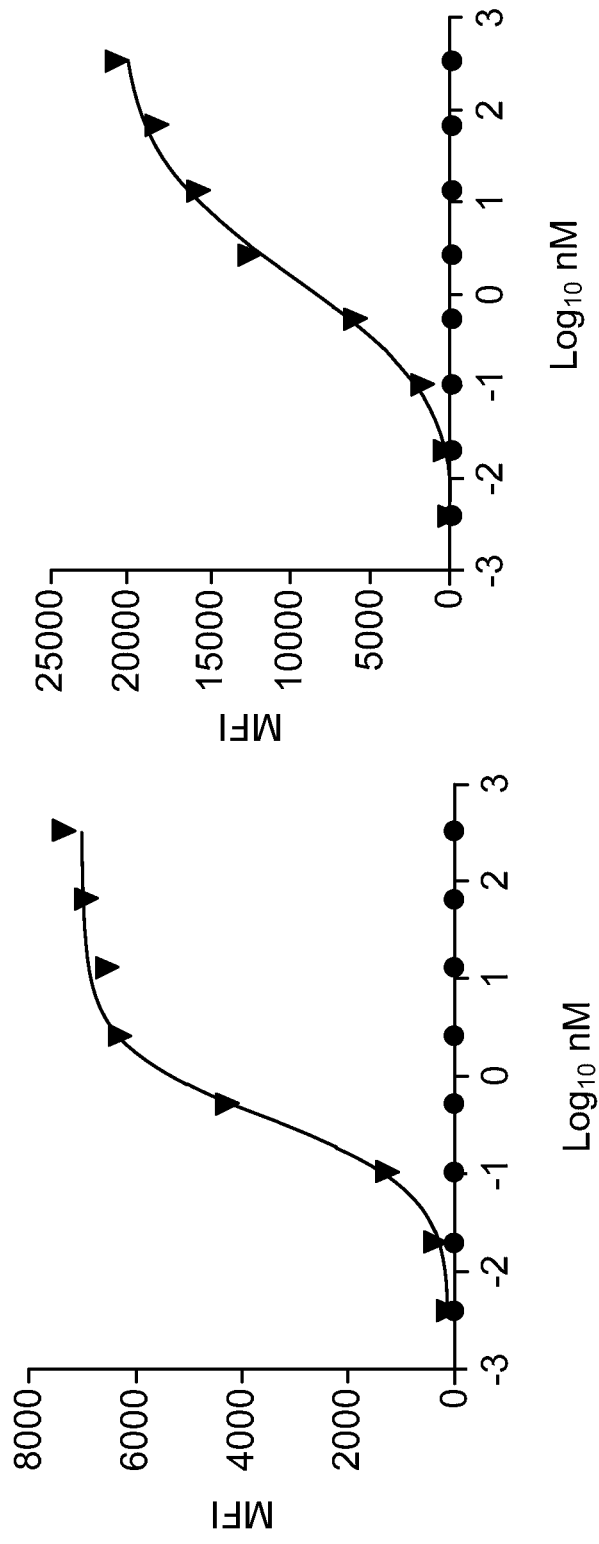
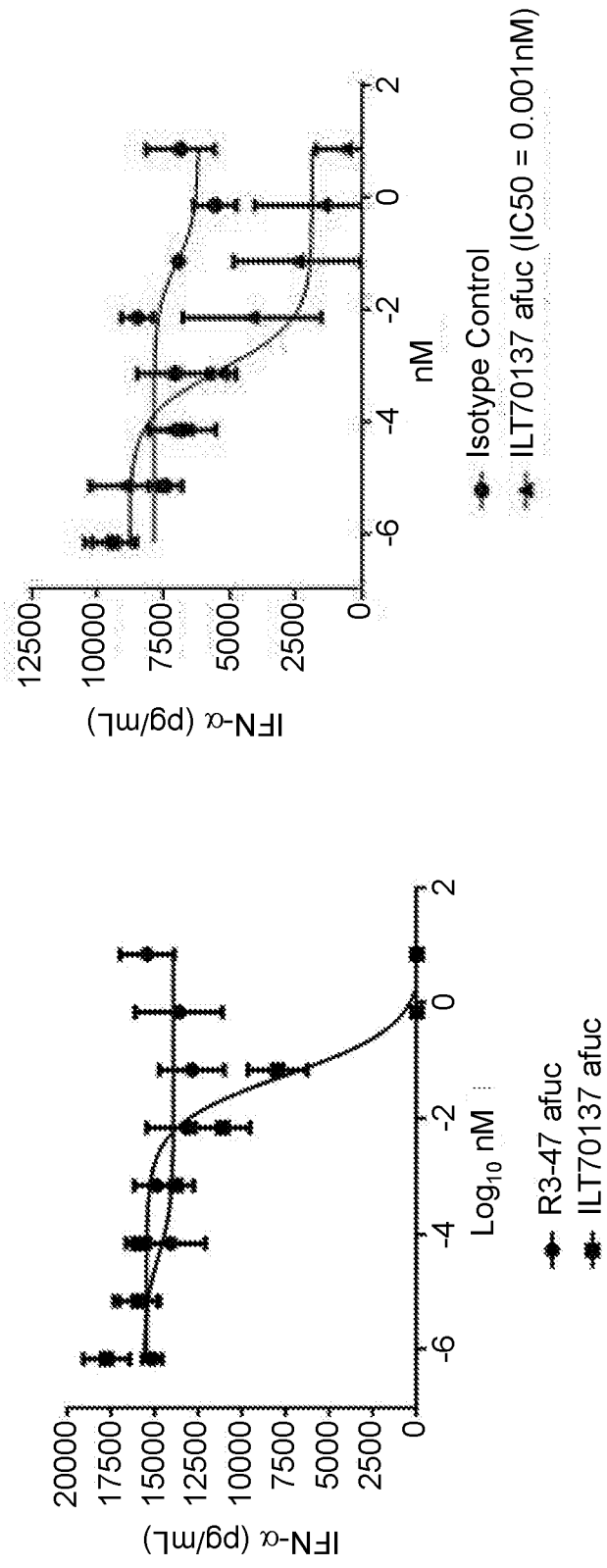


Figure 17

**Figure 18**

**Figure 20**

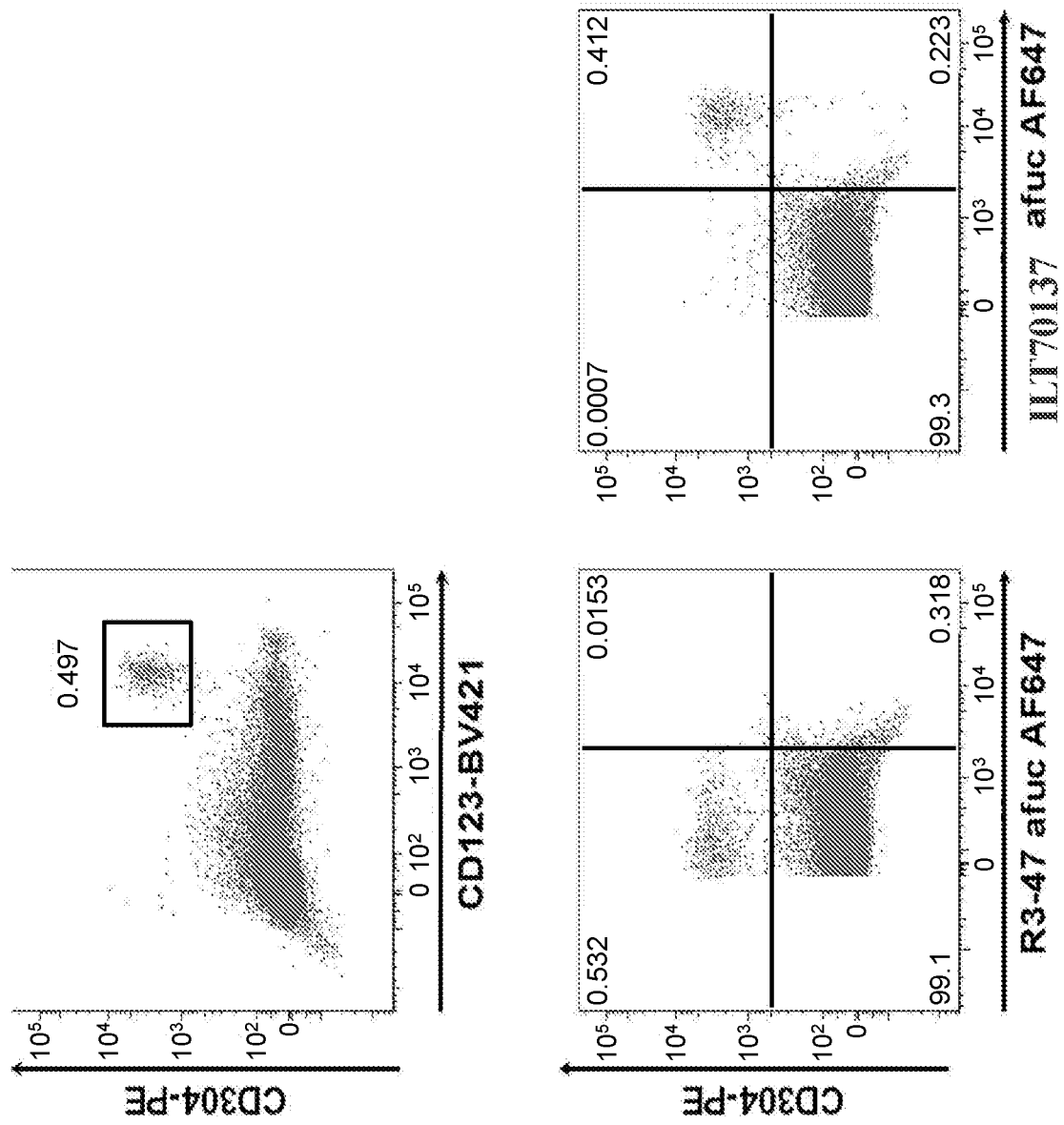


Figure 21

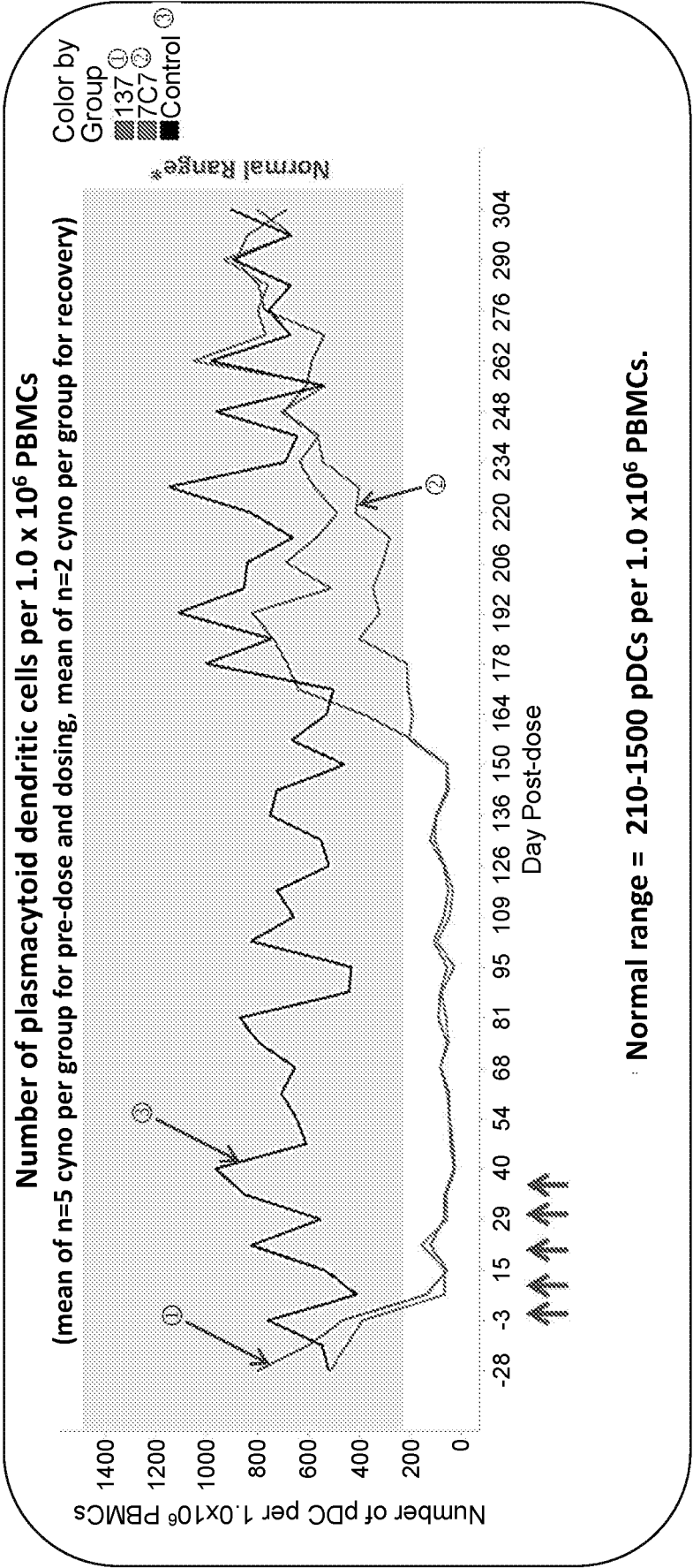


Figure 22

IFN- α Production by PBMCs

(mean of n=5 cyno per group for pre-dose and dosing, mean of n=2 cyno per group for recovery)

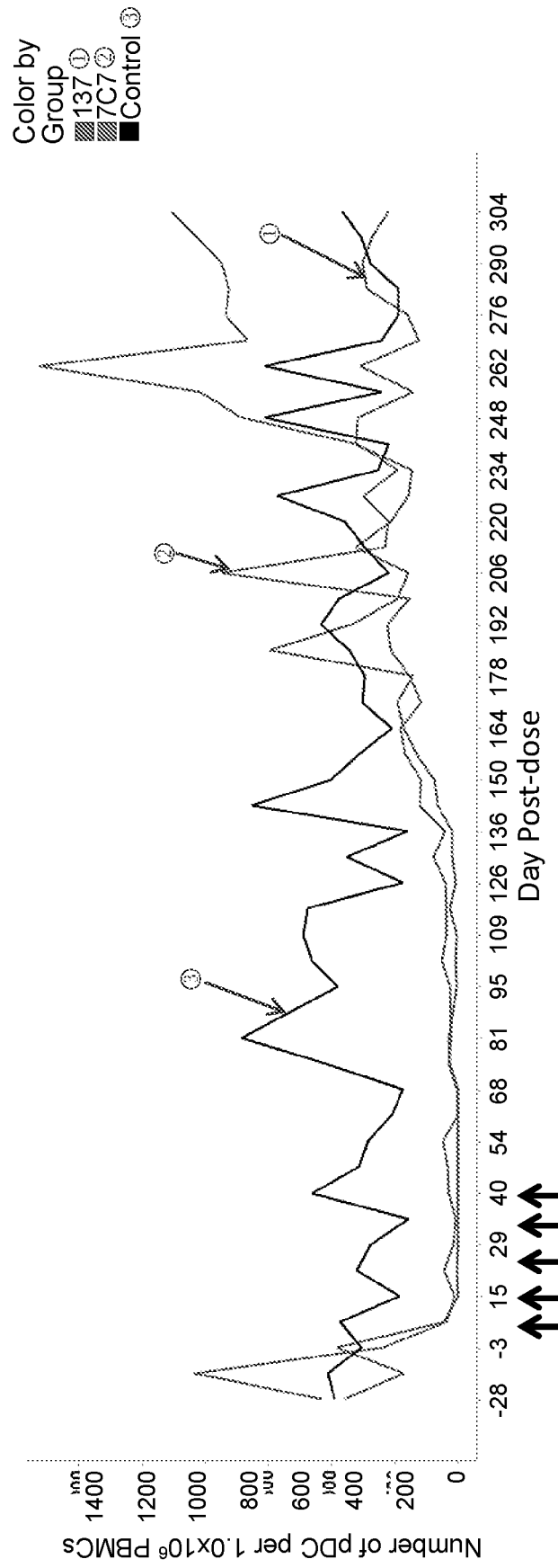


Figure 23