Figures

Figure 1: Human gp130 ELISA

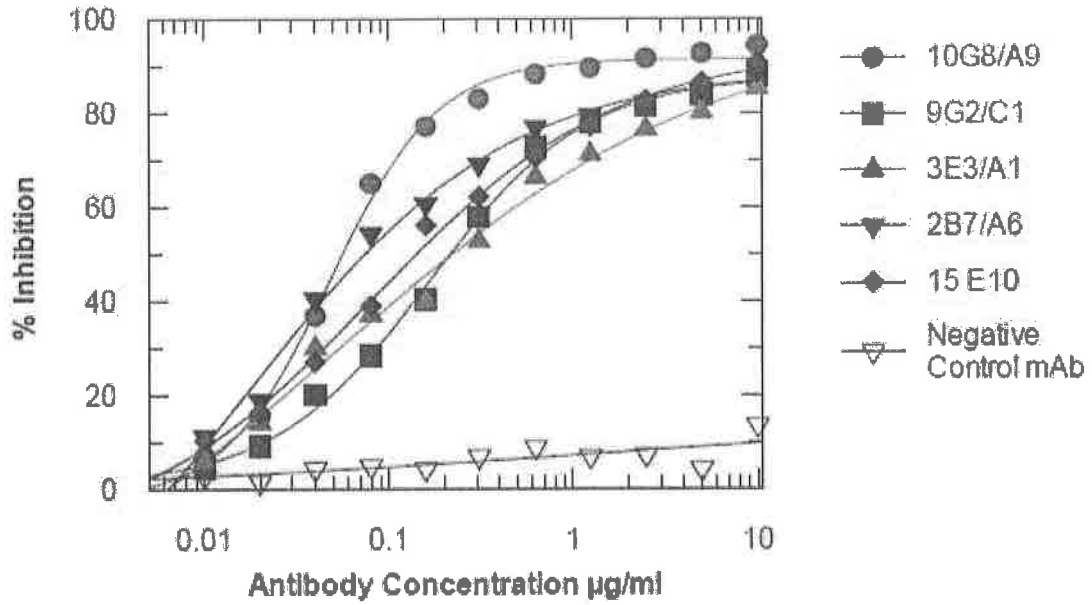


Figure 2: KB Cell Assay

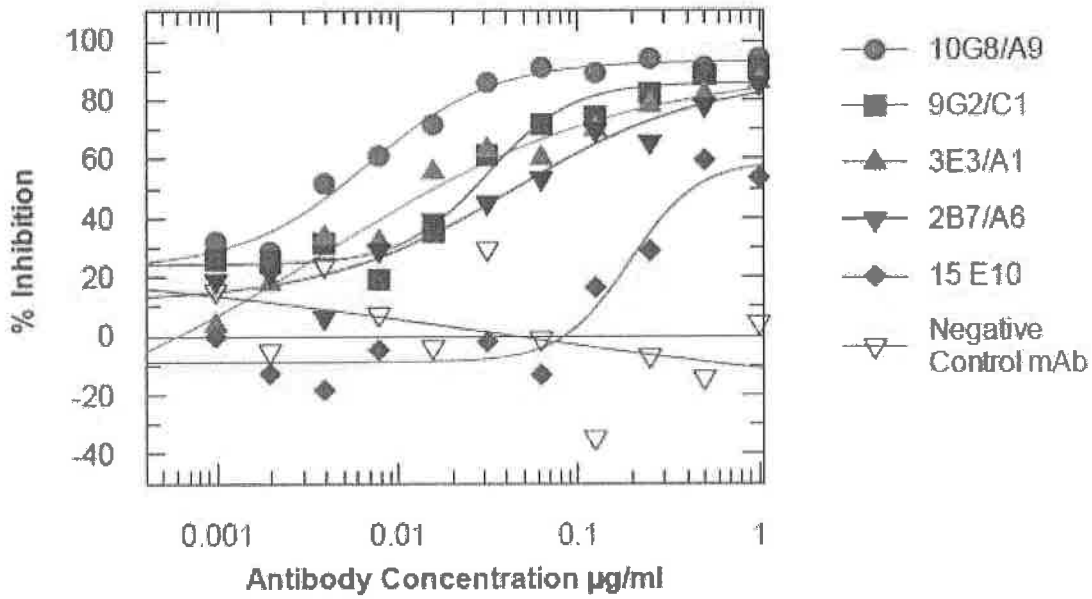


Figure 3: KB Cell Assay

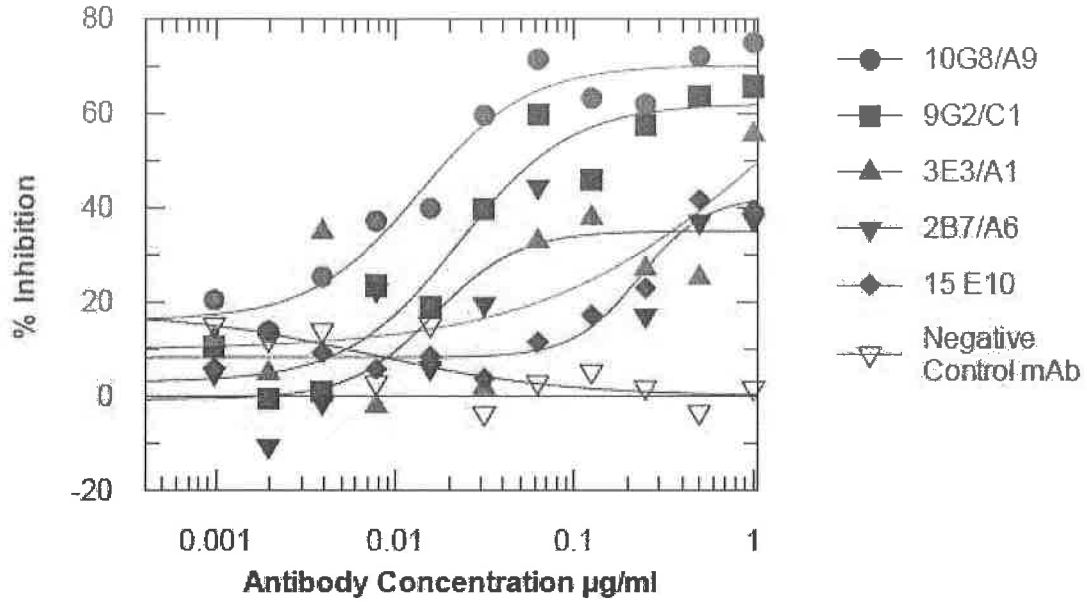


Figure 4: Endogenous OSM Human gp130 Assay

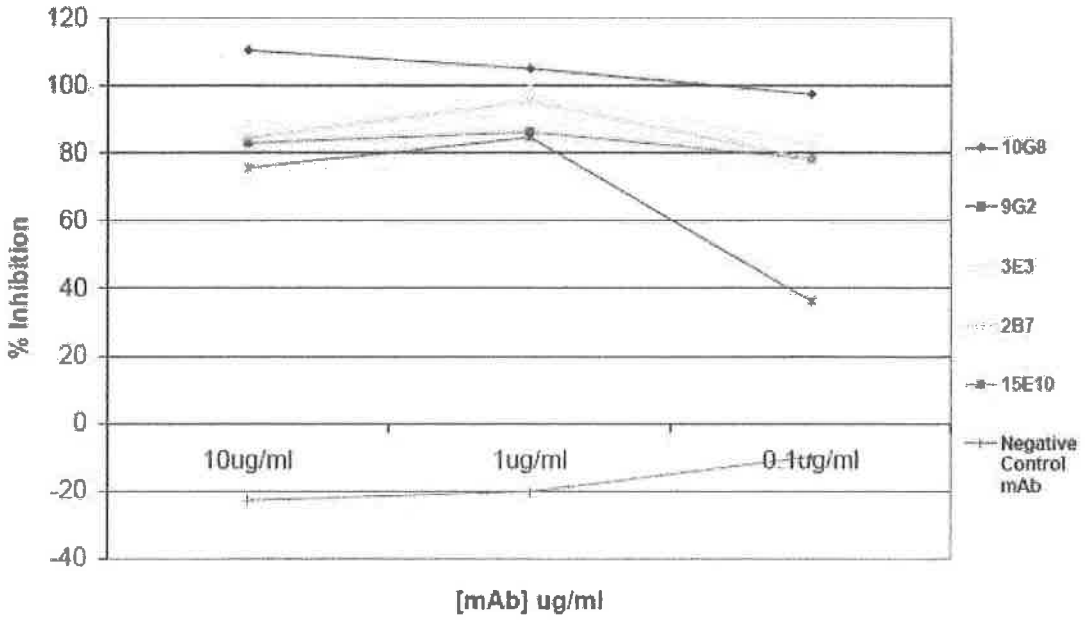


Figure 5: KB Cell Assay

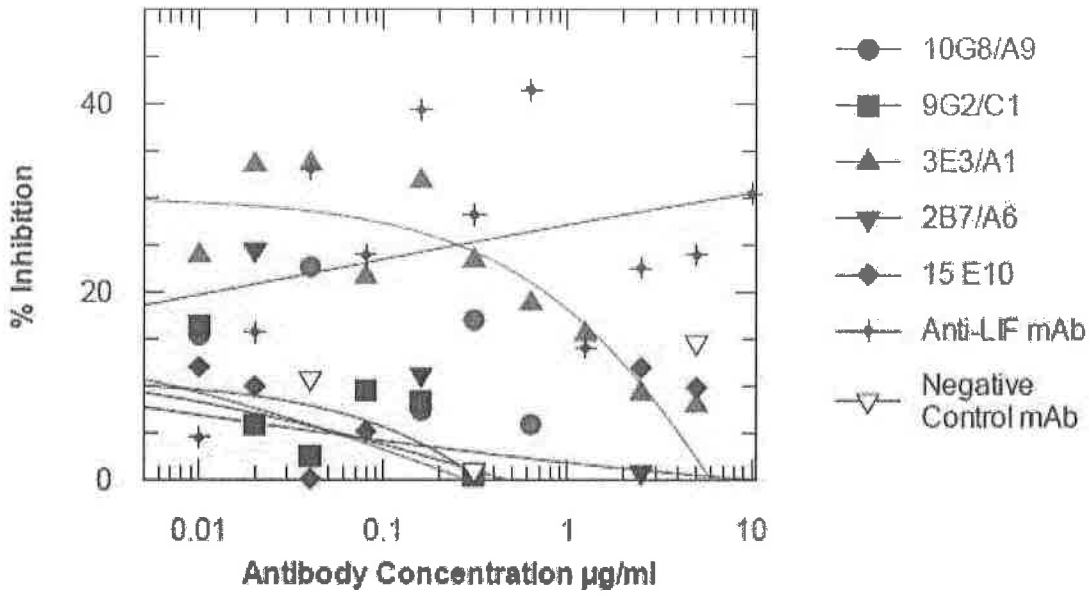
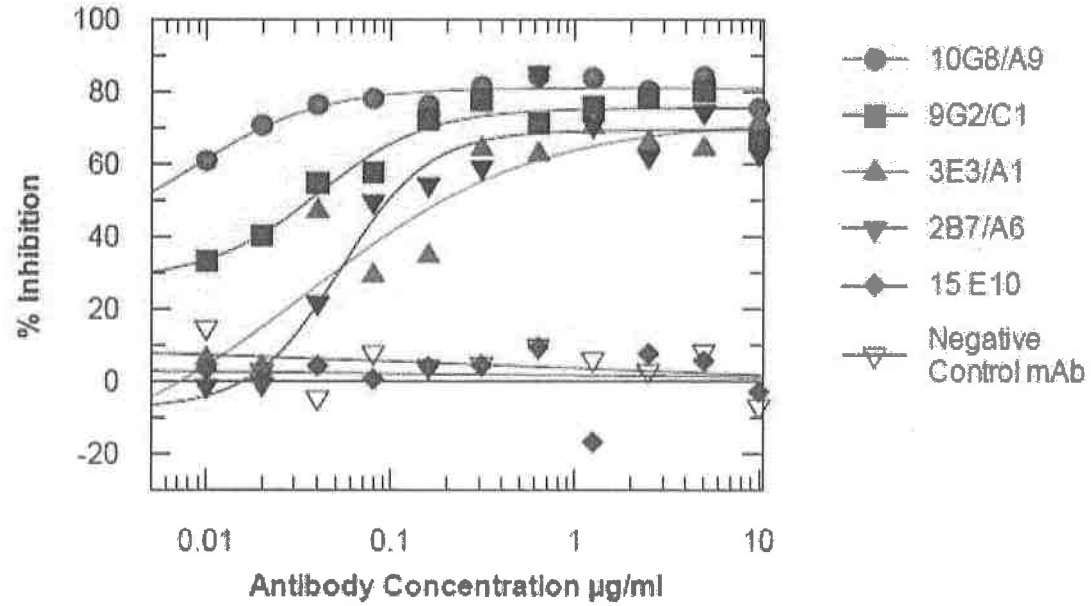


Figure 6: KB Cell Assay



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Figure 7

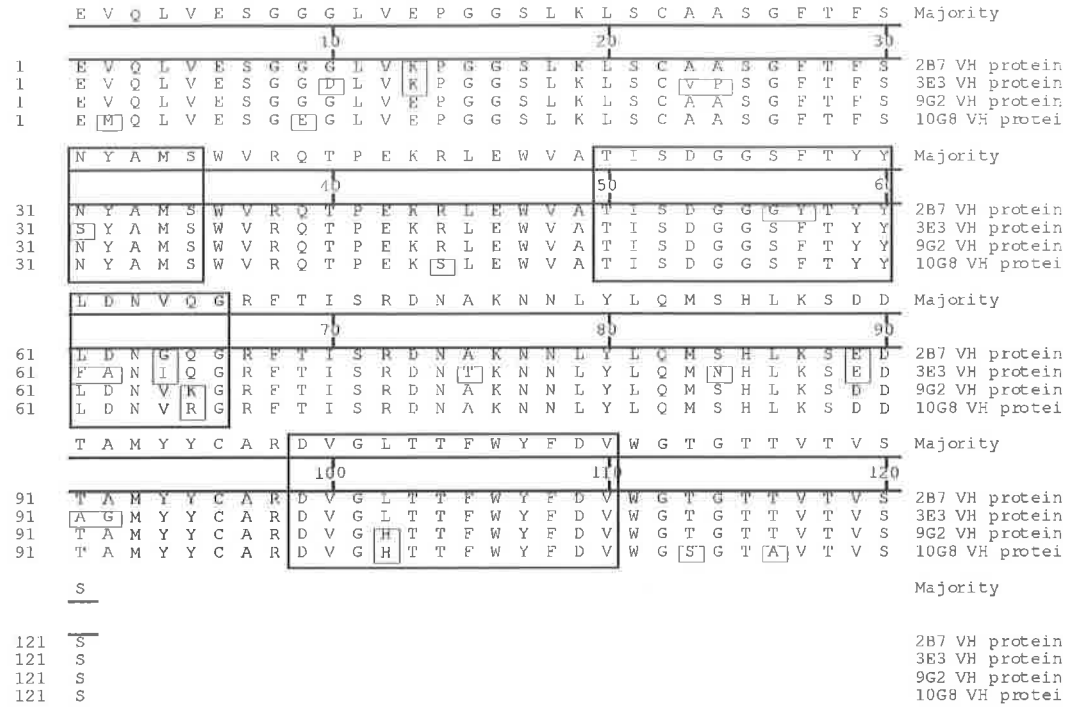


Figure 8

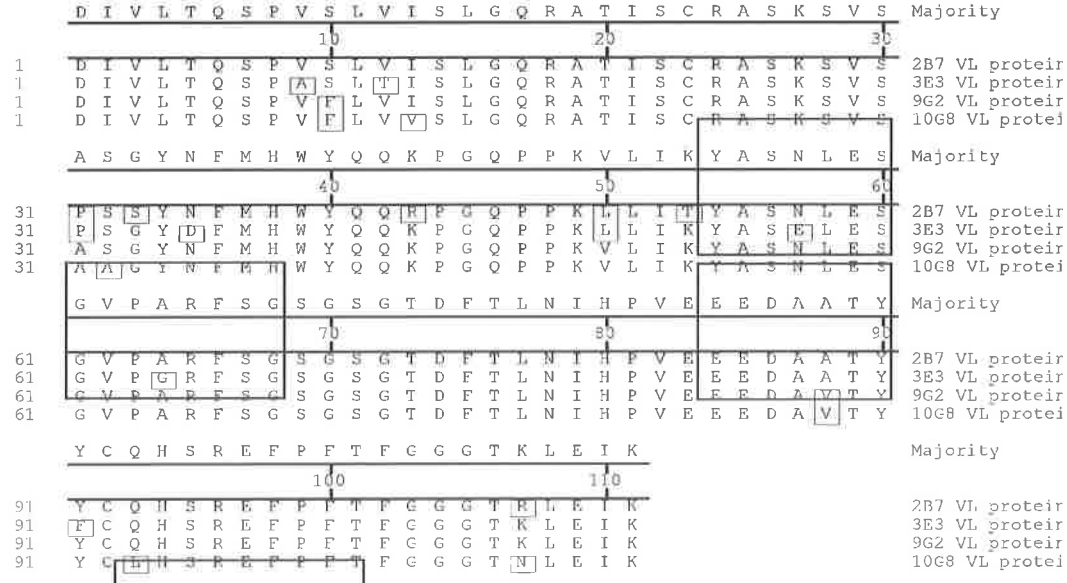
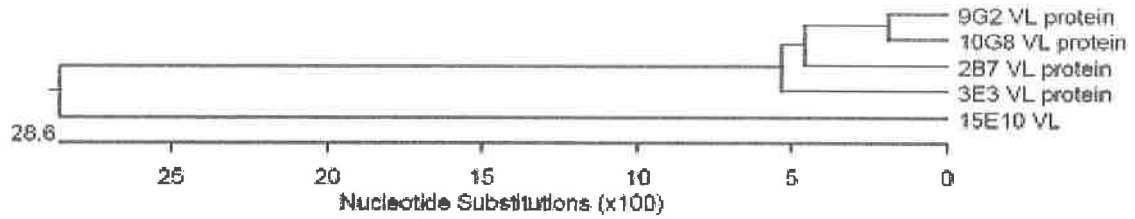


Figure 9

Phylogenetic tree of VH back ups vs 15E10 VL.meg ClustalW (Slow/Accurate, Gonnet) Page
10 December 2007 17:24



Sequence pair distances of VH back ups vs 15E10 VL.meg ClustalW (Slow/Accurate, Gonnet)
10 December 2007 17:23

Percent Identity

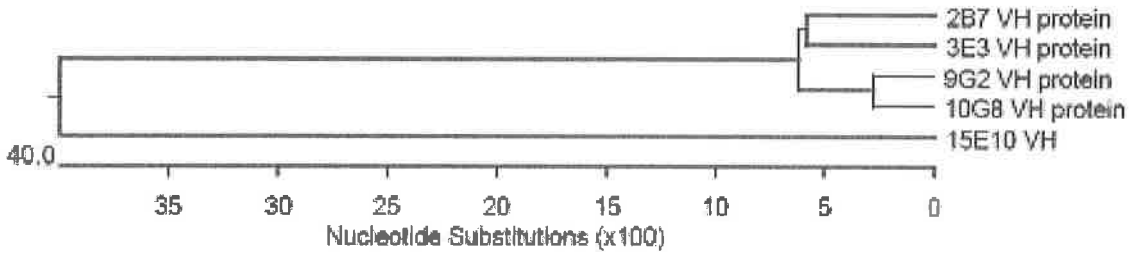
Divergence

	1	2	3	4	5	
1		59.4	58.5	59.4	57.5	1
2	55.8		91.0	92.8	90.1	2
3	57.7	9.6		91.0	87.4	3
4	55.8	7.6	9.6		96.4	4
5	59.7	10.7	13.8	3.7		5
	1	2	3	4	5	

1 15E10 VL
2 2B7 VL protein
3 3E3 VL protein
4 9G2 VL protein
5 10G8 VL protein

Figure 10

Phylogenetic tree of VH back ups vs 15E10 VH.meg ClustalW (Slow/Accurate, Gonnet) F
10 December 2007 17:16



Sequence pair distances of VH back ups vs 15E10 VH.meg ClustalW (Slow/Accurate, Gonnet)
10 December 2007 17:16

Percent Identity

Divergence

	1	2	3	4	5	
1		49.2	48.3	50.8	48.3	1
2	79.9		89.3	94.2	90.1	2
3	82.1	11.6		87.6	83.5	3
4	75.5	6.0	13.6		95.0	4
5	82.1	10.7	18.7	5.1		5
	1	2	3	4	5	

1 15E10 VH
2 2B7 VH protein
3 3E3 VH protein
4 9G2 VH protein
5 10G8 VH protein

Figure 11: Direct Human OSM Binding ELISA

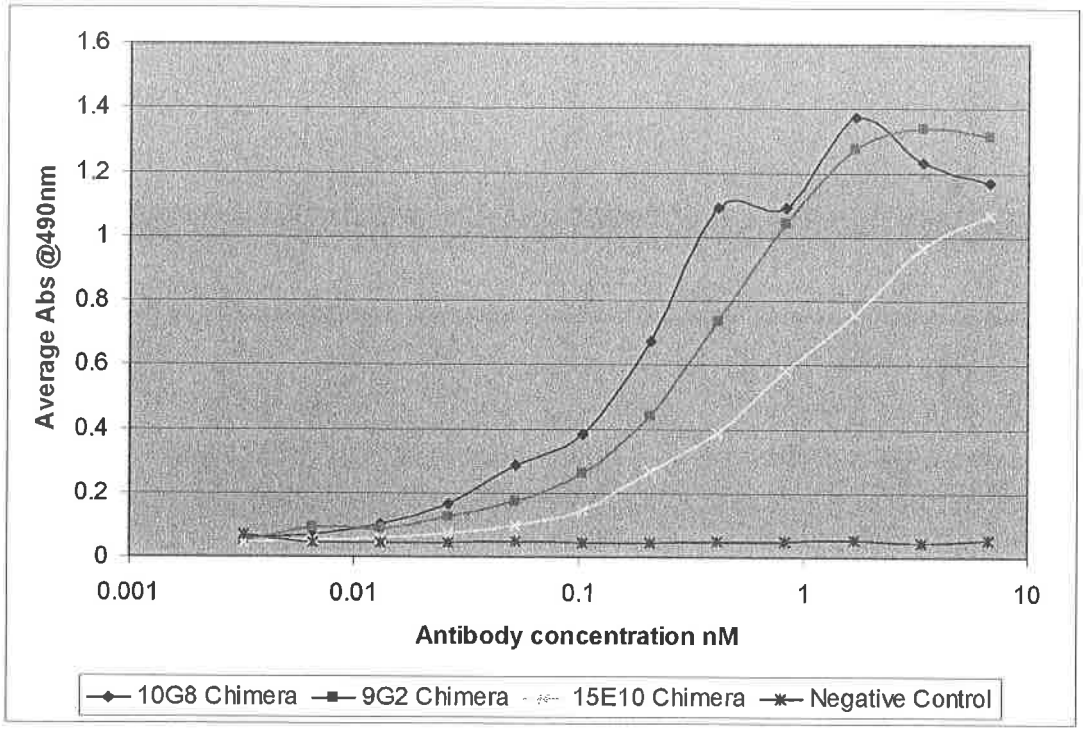
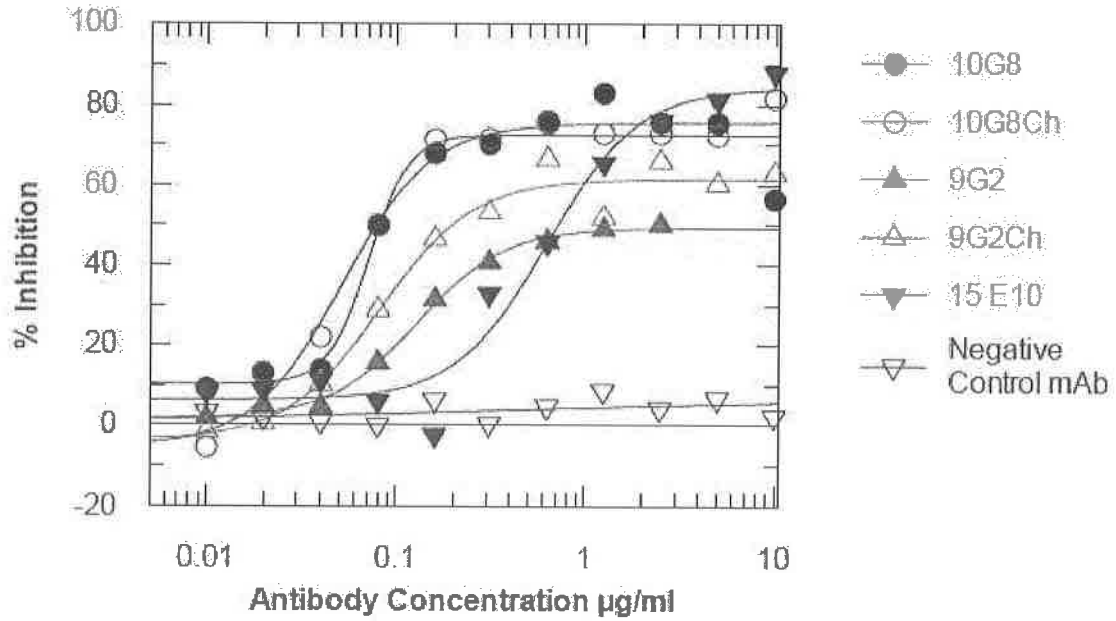


Figure 12: Human gp130 ELISA



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Figure 13: KB Cell Assay

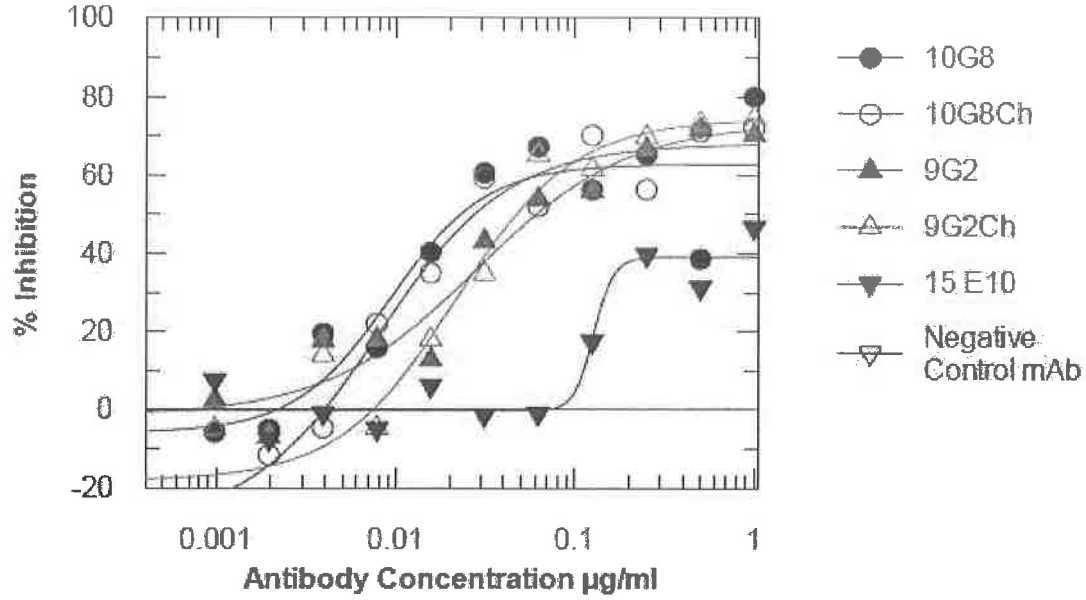


Figure 14: KB Cell Assay

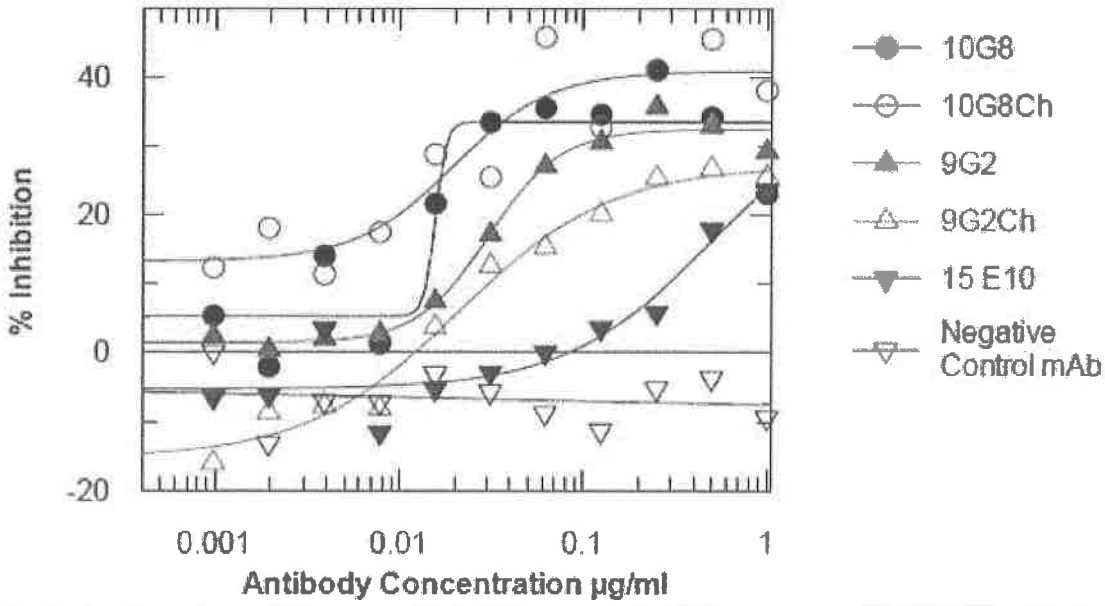


Figure 15: Endogenous OSM Human gp130 Assay

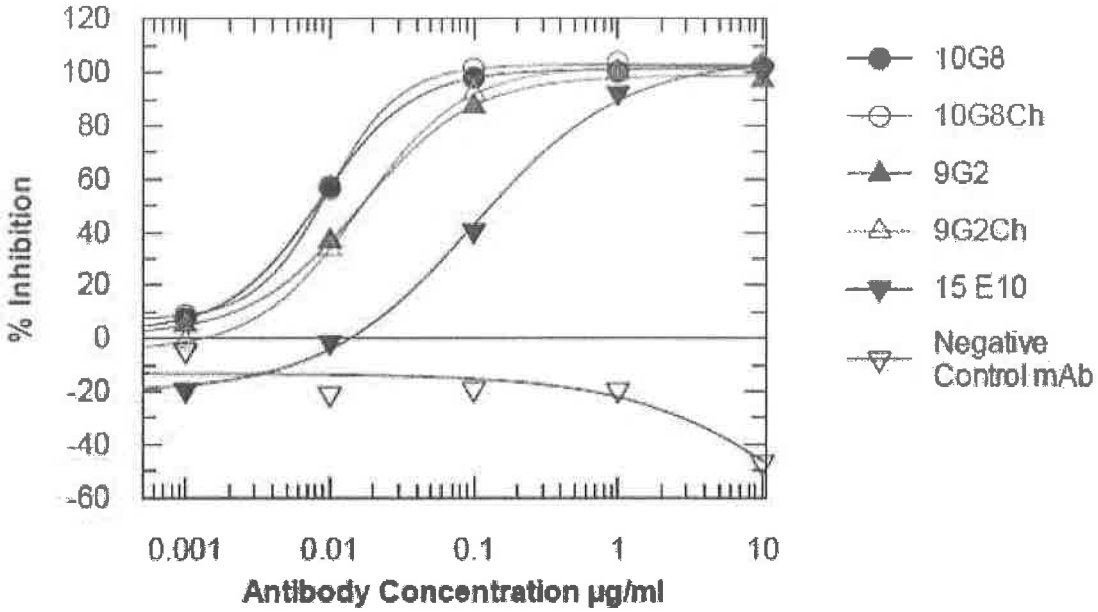


Figure 16: Human LIF KB Cell Assay

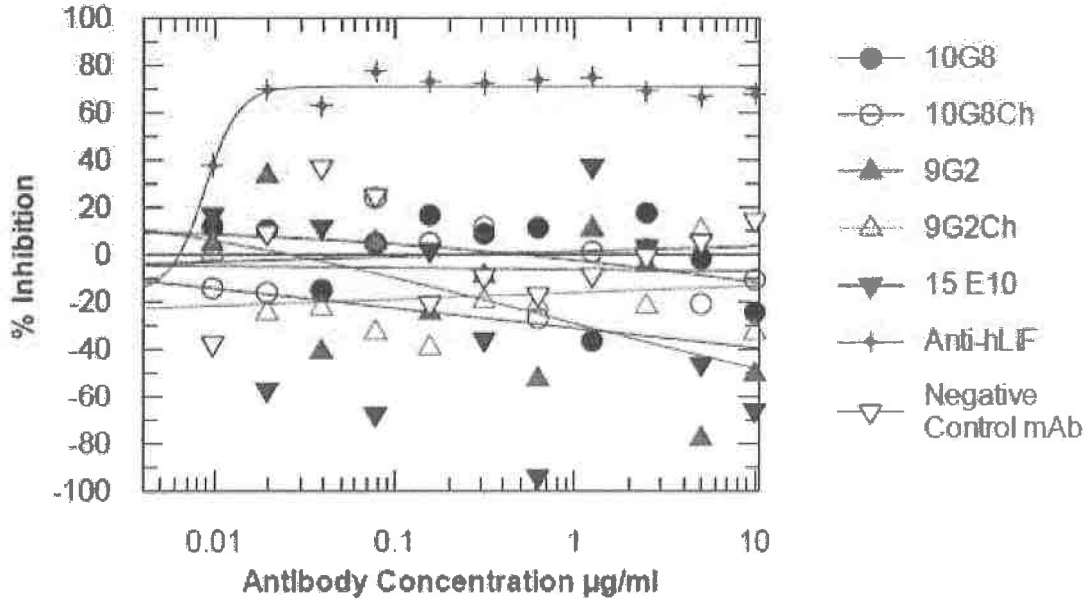


Figure 17: KB Cell Assay

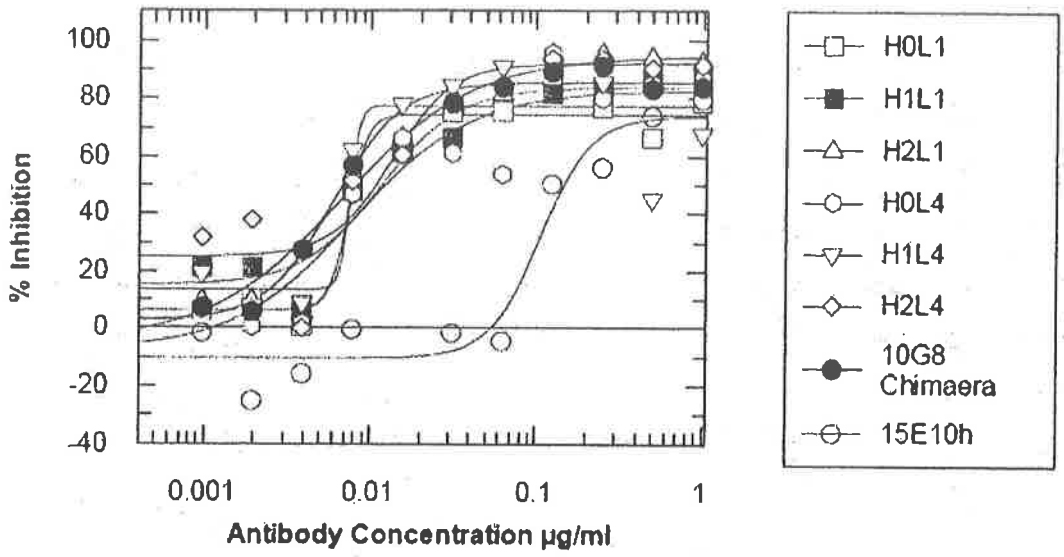


Figure 18: Human gp130 ELISA

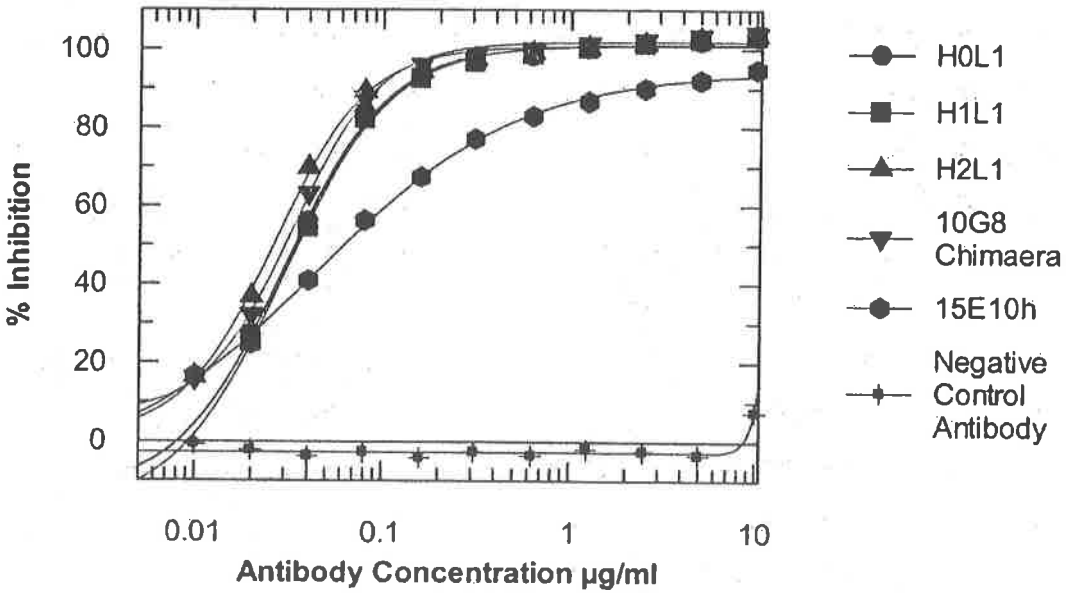


Figure 19: Human OSM-10G8 mAb Binding Complex-

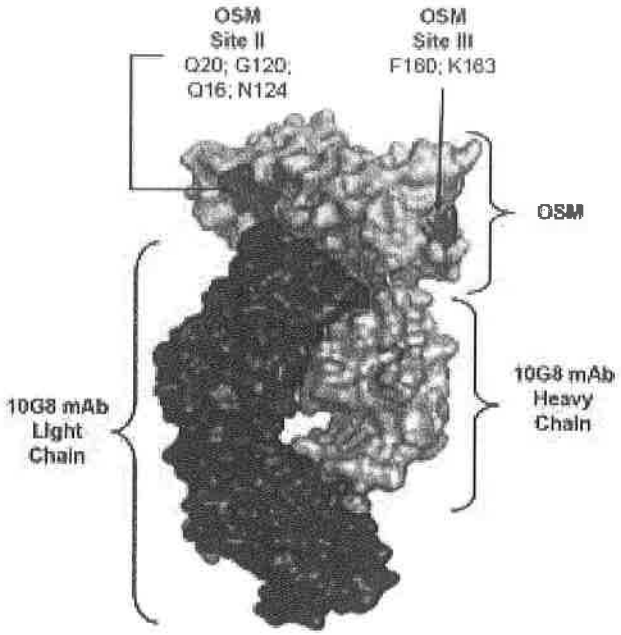


Figure 20: KB Cell Assay-

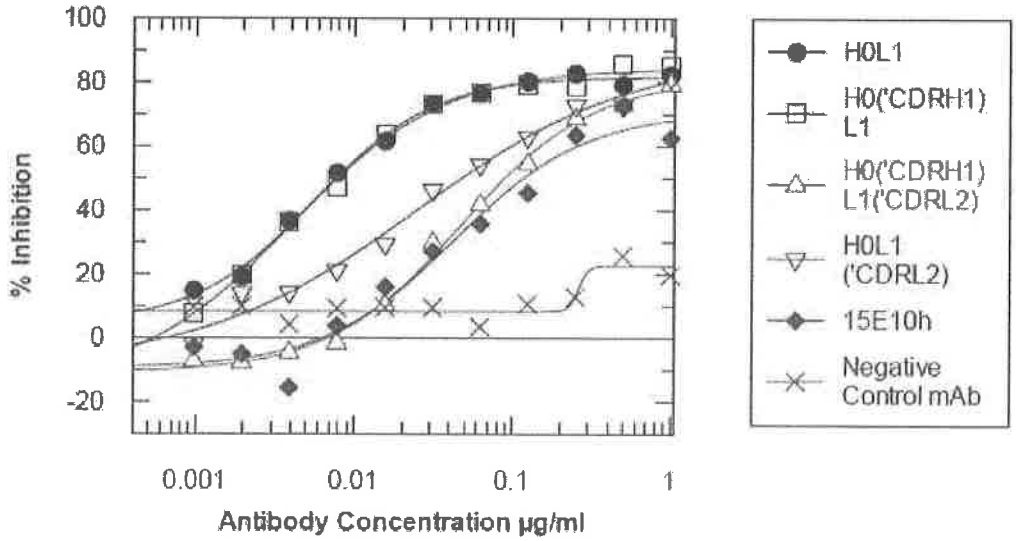


Figure 21: Human gp130 ELISA-

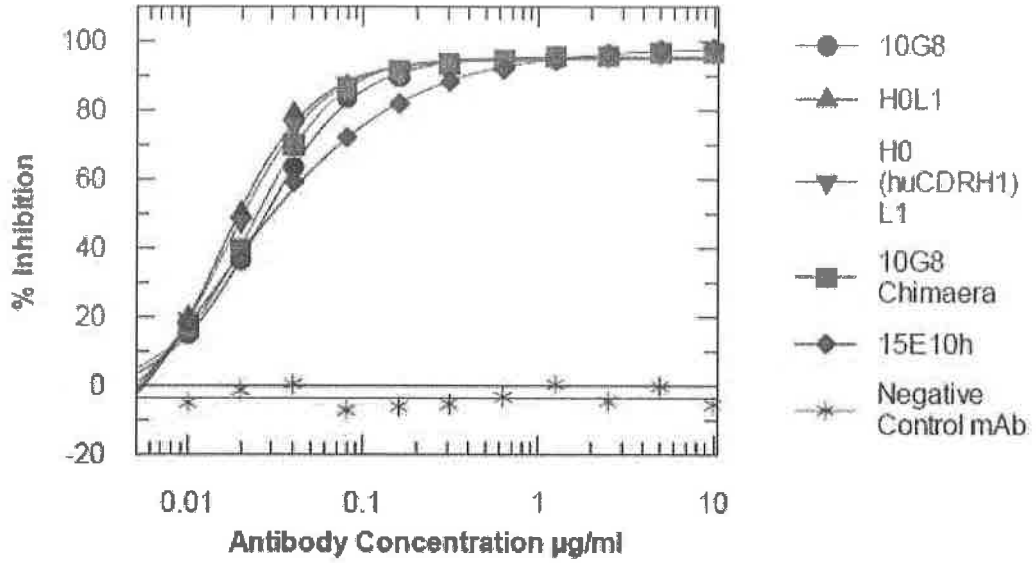


Figure 22: KB Cell Assay-

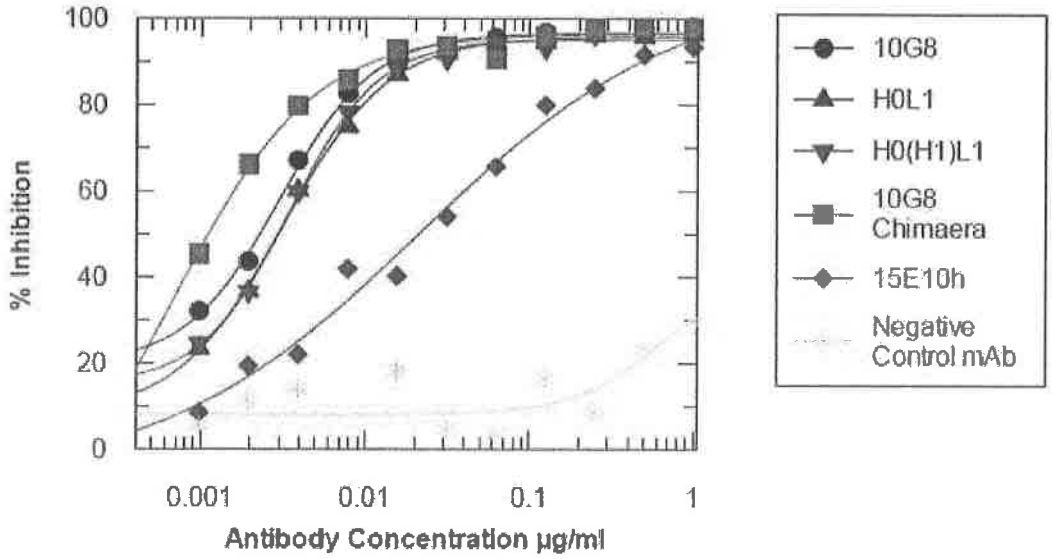


Figure 23: KB Cell Assay-

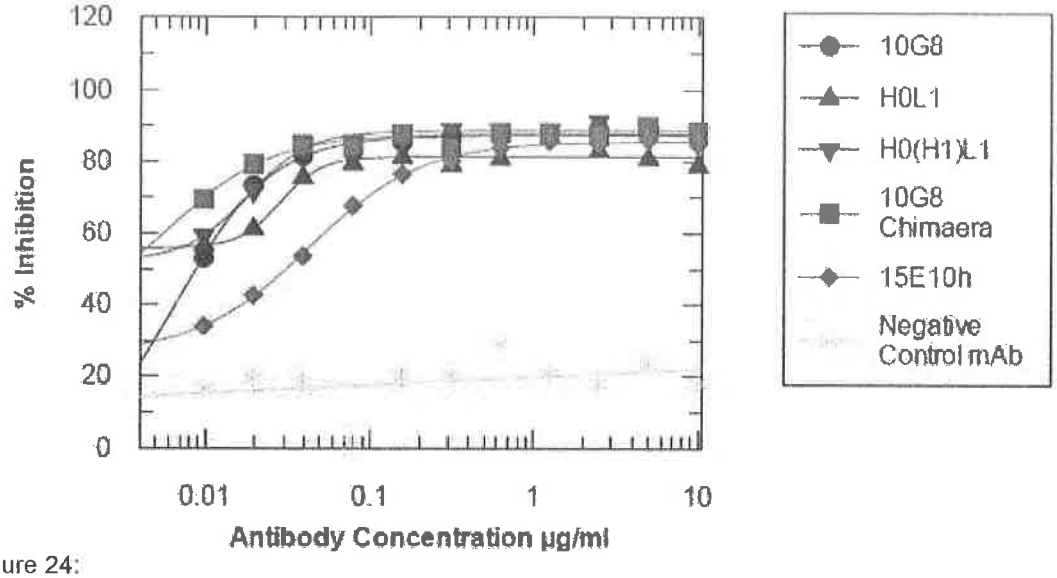
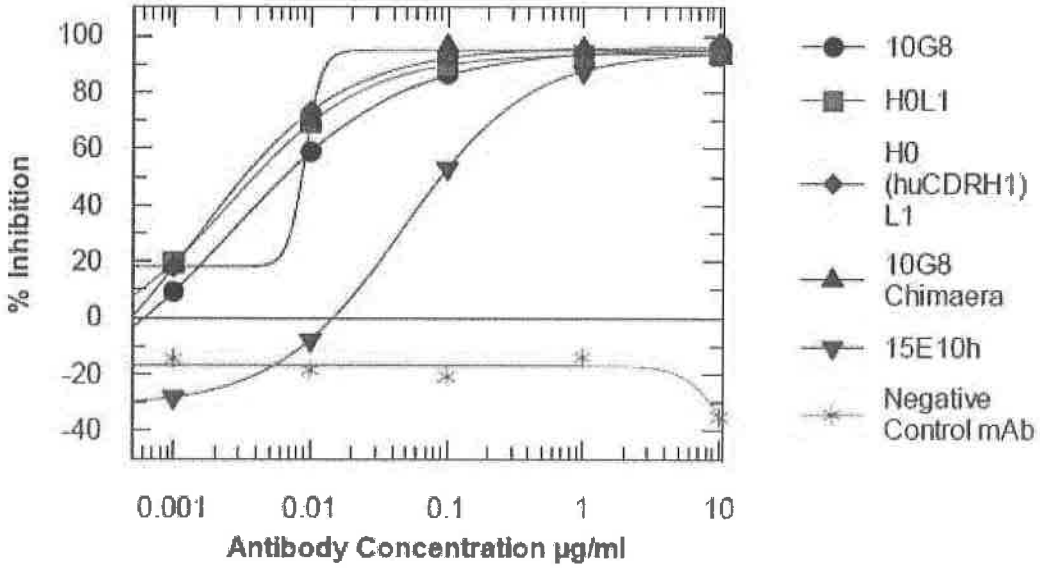


Figure 24:



5

Figure 25:

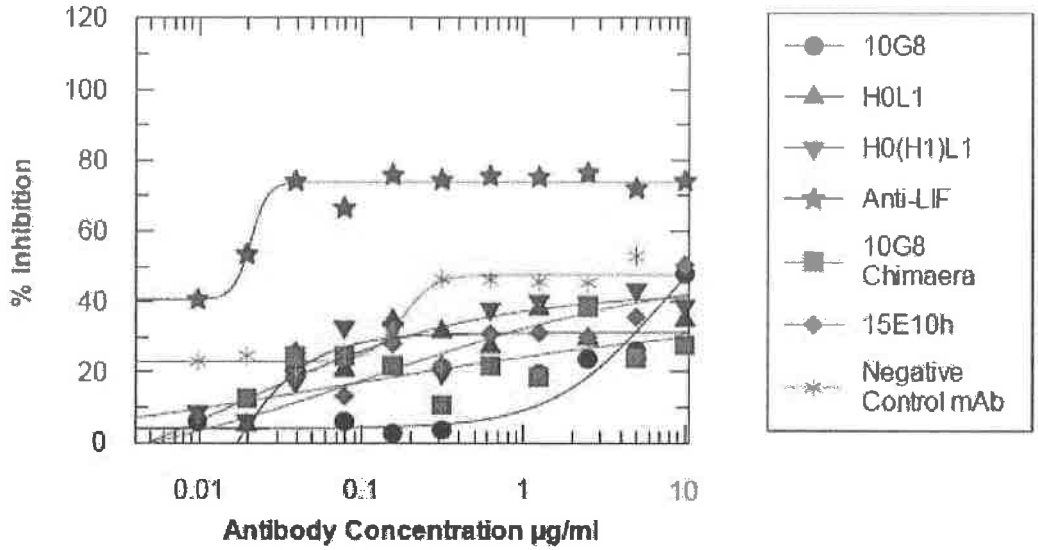


Figure 26: Human Hepatocyte Assay- SAA

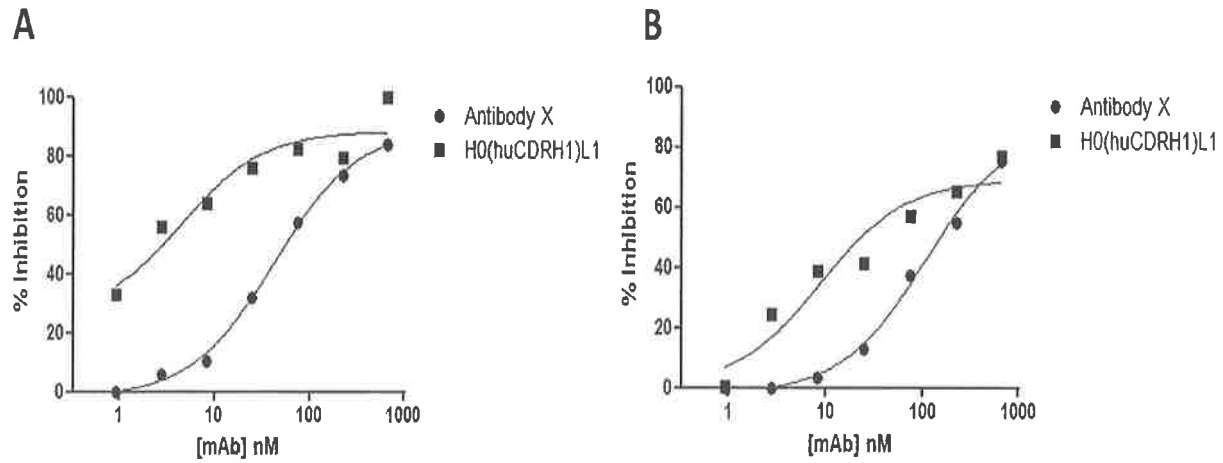


Figure 27: Human Hepatocyte Assay- CRP

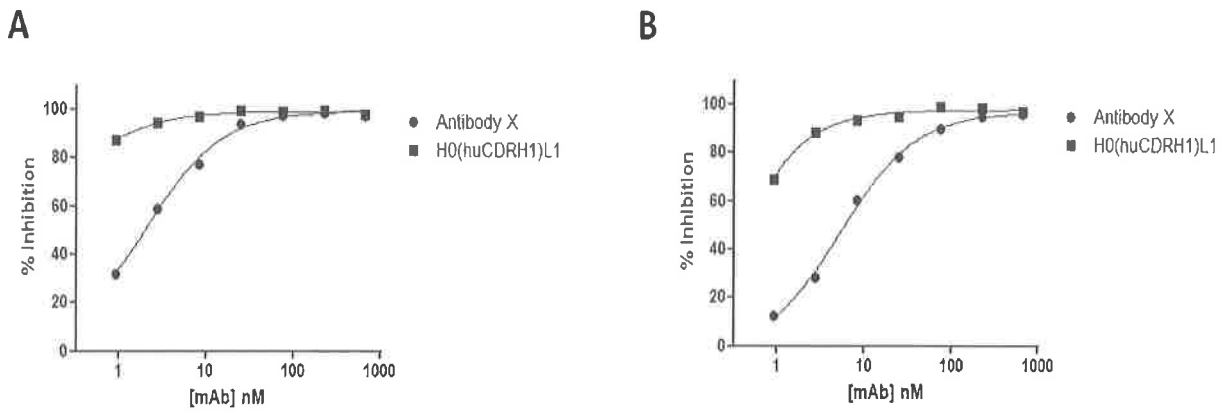


Figure 28: Human Fibroblast-Like Synovioctye Assay- IL-6

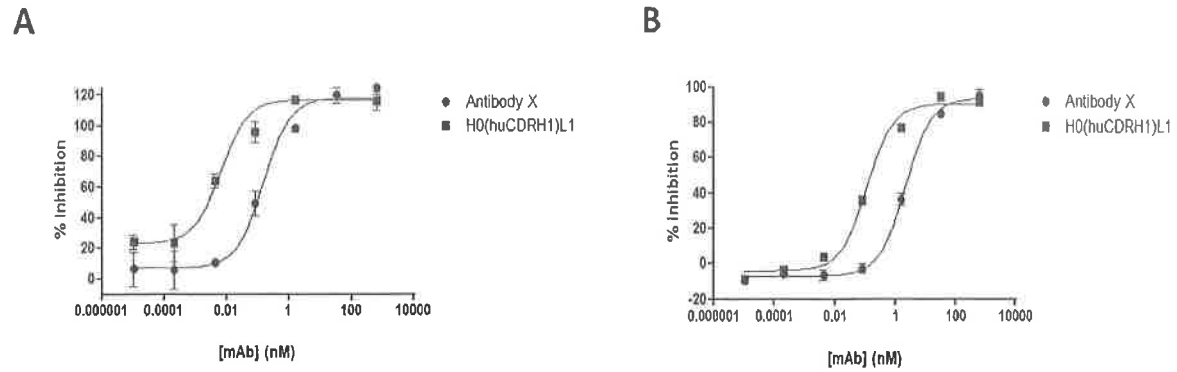


Figure 29: Human Fibroblast-Like Synovioctye Assay- MCP-1

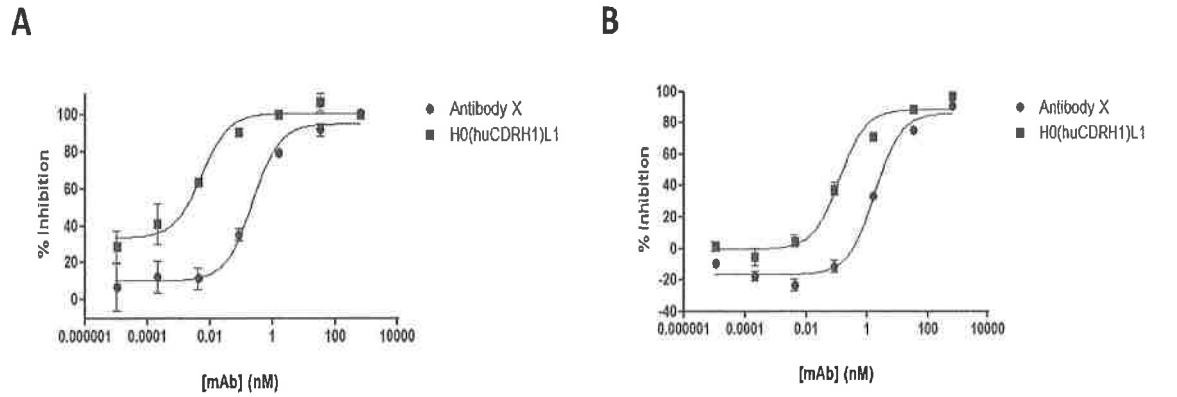


Figure 30: Human Umbilical-Vein Endothelia Cell Assay

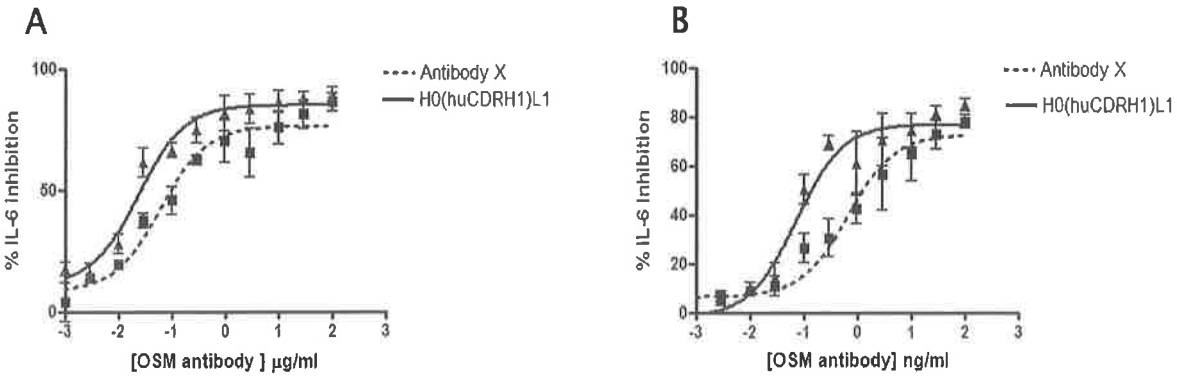


Figure 31: Human Lung Fibroblast Assay- MCP-1

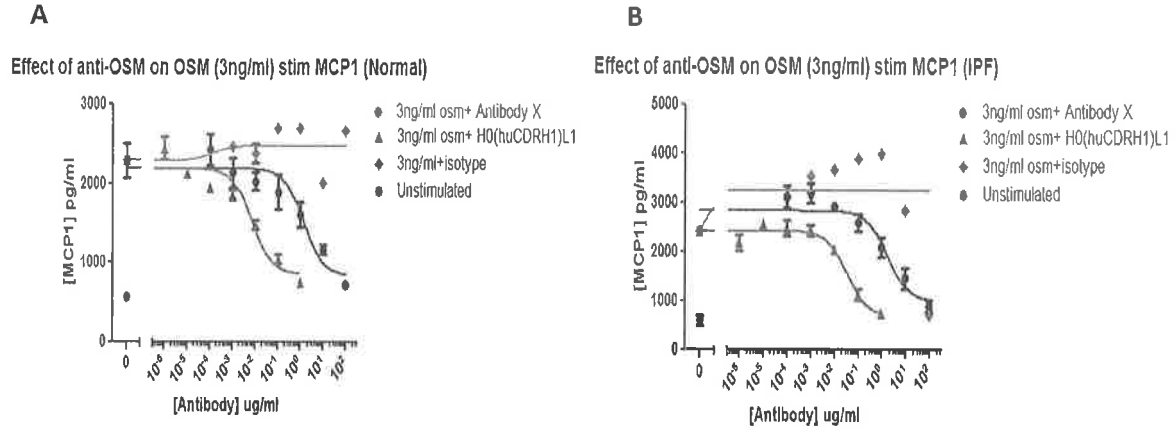


Figure 32: Human Lung Fibroblast Assay- IL-6

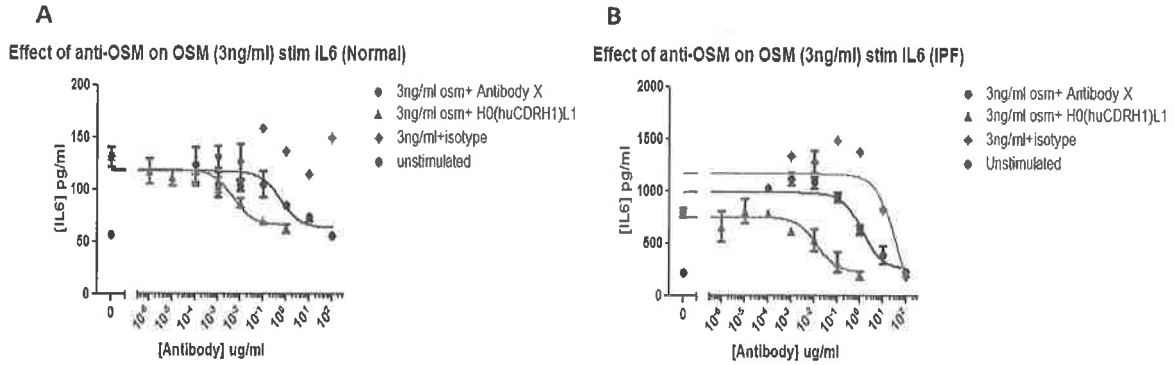


Figure 33.

Pos	95	96	97	98	99	100	100A	100B	100C	100D	101	102
Ala	5.76 E-10	5.72 E-10	4.86 E-10	6.59 E-10	5.41 E-10	8.55 E-09	8.10 E-09	4.81 E-09	3.94 E-10	8.69 E-10	1.55 E-09	3.38 E-10
Cys		6.64 E-10	6.51 E-10	1.50 E-09	7.08 E-10	8.95 E-09	8.92 E-09	8.12 E-09		5.86 E-10		
Asp	**4.42 E-10**			4.94 E-10	4.24 E-09		4.27 E-08	2.32 E-08		6.72 E-10	**3.55 E-10**	
Glu	7.85 E-10		1.10 E-09		1.28 E-09			4.91 E-10	4.82 E-10	6.88 E-10	4.26 E-10	
Phe		6.1 E-10	6.37 E-10	3.25 E-10	2.54 E-07		**4.47 E-10**	3.37 E-09	3.65 E-10	**4.50 E-10**	2.60 E-09	4.25 E-10
Gly	5.17 E-10	4.88 E-10	**3.07 E-10**	1.11 E-09	5.25 E-09	1.81 E-08	6.31 E-08	2.21 E-08	3.88 E-10	6.61 E-10	7.10 E-10	4.06 E-10
His	4.99 E-10	4.80 E-10		**1.74 E-10**	1.56 E-08		3.97 E-08	3.62 E-08	1.20 E-09			
Ile				7.18 E-09	1.69 E-09	1.87 E-08	2.46 E-08	4.55 E-08				
Lys		6.71 E-10		2.45 E-08	4.06 E-09	4.31 E-09		4.71 E-08		8.73 E-10	2.83 E-09	
Leu	5.68 E-10	5.55 E-10	2.19 E-09	7.42 E-10	1.56 E-09	4.20 E-08	3.35 E-09	1.62 E-08	4.24 E-10			4.26 E-10
Met	6.49 E-10		8.09 E-10	6.93 E-09	1.62 E-09		5.19 E-09	4.03 E-08				
Asn					1.33 E-09		6.58 E-09	4.02 E-08				
Pro	4.42 E-10	2.35 E-09	3.15 E-08	9.86 E-10	5.53 E-10	3.65 E-08		1.14 E-08		1.05 E-09	5.01 E-09	4.11 E-10
Gln	5.70 E-10			7.29 E-10			1.46 E-08	3.35 E-09	1.17 E-09		1.10 E-09	3.37 E-10

Arg	6.84 E-09	1.56 E-08	1.85 E-09	3.02 E-09	6.80 E-09			2.13 E-08	1.09 E-09	1.34 E-09	2.18 E-09	5.33 E-10
Ser	7.60 E-10	4.67 E-10	6.32 E-10	1.09 E-09	8.27 E-10	1.65 E-09	1.83 E-08	7.74 E-09	1.20 E-09	6.61 E-10	7.72 E-10	4.44 E-10
Thr	6.32 E-10	4.97 E-10	3.64 E-09	1.66 E-09	**3.99 E-10**	**4.57 E-10**	3.34 E-08	8.57 E-09	1.09 E-09	5.91 E-10	7.07 E-10	
Val	5.70 E-10	**4.88 E-10**	2.01 E-09	1.00 E-09	7.14 E-10	1.45 E-08	9.05 E-09	4.12 E-08	5.60 E-10	6.75 E-10	4.40 E-10	**4.26 E-10**
Trp	1.86 E-08	9.79 E-10	1.67 E-09	3.17 E-10	4.99 E-09		6.90 E-09	**4.95 E-10**	6.87 E-10	7.11 E-10	2.07 E-10	5.33 E-10
Tyr		6.78 E-10		2.07 E-09	4.44 E-10		1.41 E-08	6.76 E-09	**3.64 E-10**	5.09 E-10		

no binding

BOLD WT residue

3x decrease in binding

Data generated in a separate experiment

5

Figure 34

