FIGURES

Figure 1: Expression of prolactin in eutopic endometrium from patients and healthy controls and in endometriotic lesions

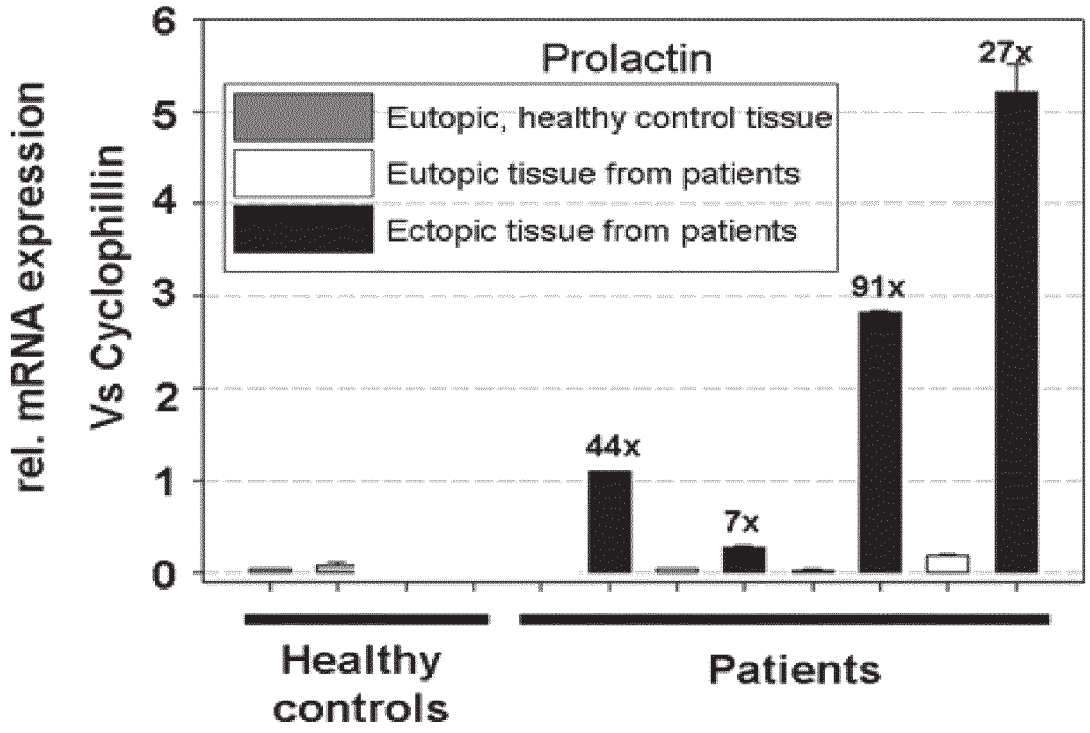


Figure 2: Expression of the prolactin receptor in eutopic endometrium from patients and healthy controls and in endometriotic lesions

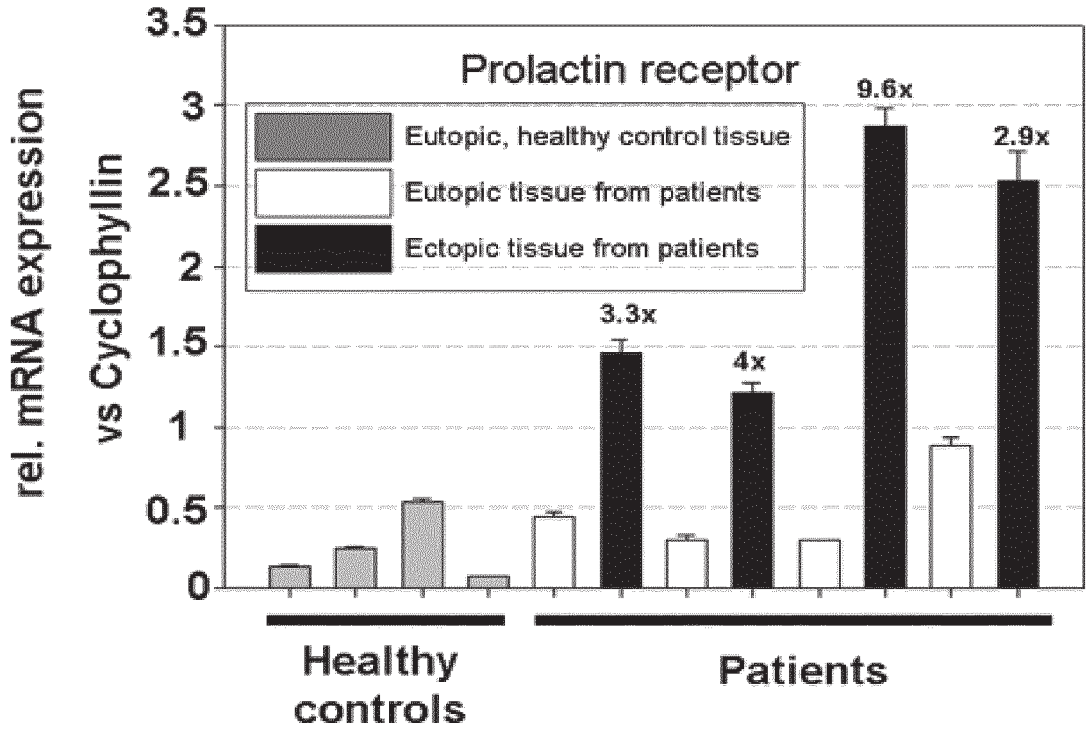


Figure 3: Effect of neutralizing PRLR antibody Mat3 in a hyperprolactinemic mouse model of benign breast disease

A Inhibition of side-branching in the mammary gland by neutralizing PRLR antibody Mat3

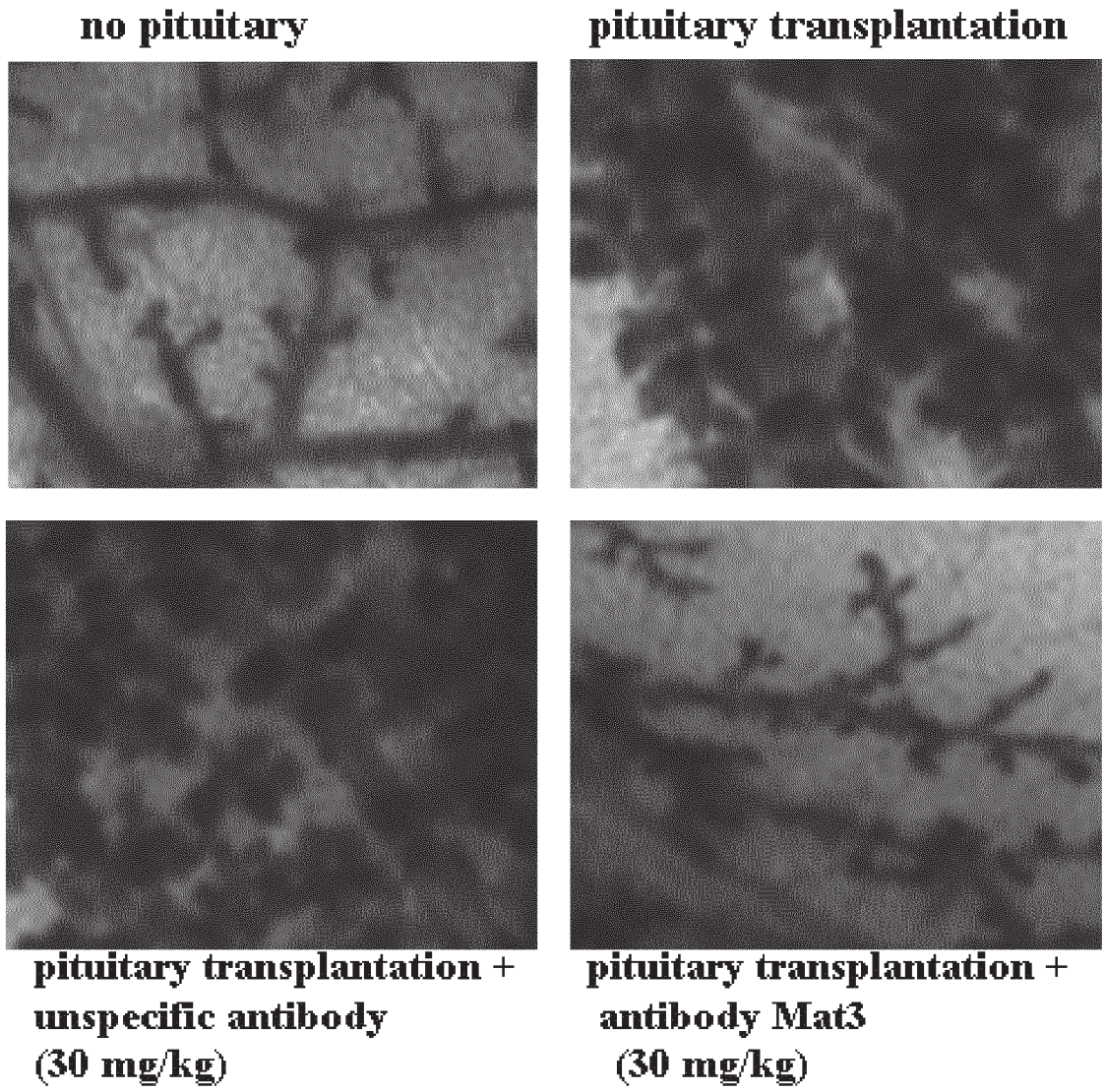


Figure 3: Effect of neutralising PRLR antibody Mat3 in a hyperprolactinemic mouse model of benign breast disease

B Inhibition of the expression of the prolactin target gene elf5

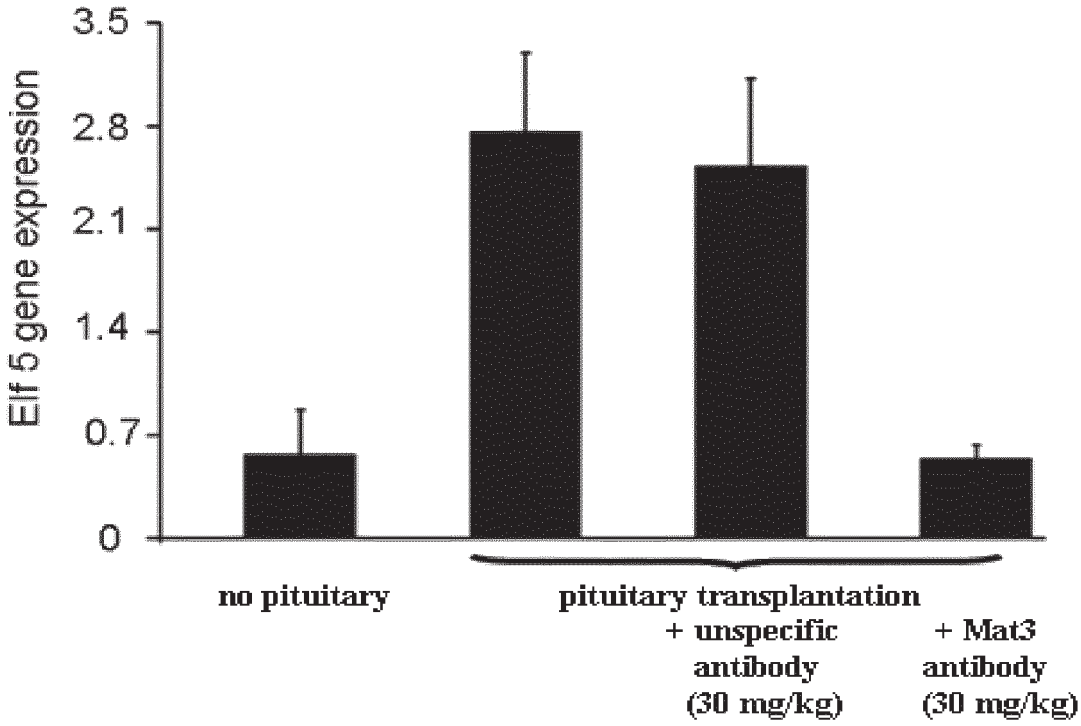


Figure 4: Kabat Numbering of framework amino acid positions according to Johnson and Wu (Nucleic Acids Res. 2000, 28, 214-218)

VL chain:

Kabat No.	L1	L2	L3	L4	L5	L6	L7	L8	L9	L11	L12	L13	L14	L15	L16	L17	L18	L19	L20	L21	L22	L23
LFR1	Q/D	S/I	V	L	T	Q	P	P	S	A	S	G	T	P	G	Q	R	V	T	I	S	C

Kabat No.	L24	-	L34																			
LCDR1	(X)n																					

Kabat No.	L35	L36	L37	L38	L39	L40	L41	L42	L43	L44	L45	L46	L47	L48	L49							
LFR2	W	Y	Q	Q	L	P	G	T	A	P	K	L	L	I	Y							

Kabat No.	L50	-	L56																			
LCDR2	(X)n																					

Kabat No.	L57	L58	L59	L60	L61	L62	L63	L64	L65	L66	L67	L68	L69	L70	L71	L72	L73	L74	L75	L76	L77	L78
LFR3	G	V	P	D	R	F	S	G	S	K	S	G	T	S	A	S	L	A	I	S	G	L

Kabat No.	L79	L80	L81	L82	L83	L84	L85	L86	L87													
LFR3	R	S	E	D	E	A	D	Y	Y													

Kabat No.	L88	-	L97																			
LCDR3	(X)n																					

Kabat No.	L98	L99	L100	L101	L102	L103	L104	L105	L106	L107	L108	L109										
LFR4	F	G	G	G	T	K	L	T	V	L	G	Q										

VH chain:

Kabat No.	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10	H11	H12	H13	H14	H15	H16	H17	H18	H19	H20	H21	H22
HFR1	E/Q	V	Q/E	L	L	E	S	G	G	G	L	V	Q	P	G	G	S	L	R	L	S	C

Kabat No.	H23	H24	H25	H26	H27	H28																
HFR1	A	A	S	G	F	T																

Kabat No.	H29	-	H36																			
HCDR1	(X)n																					

Kabat No.	H37	H38	H39	H40	H41	H42	H43	H44	H45	H46	H47											
HFR2	V	R	Q	A	P	G	K	G	L	E	W											

Kabat No.	H48	-	H66																			
HCDR2	(X)n																					

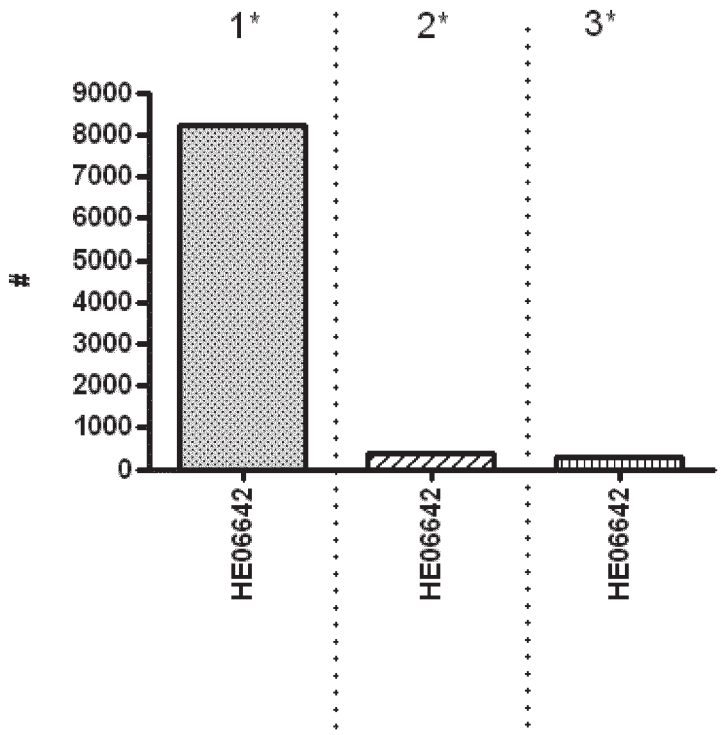
Kabat No.	H67	H68	H69	H70	H71	H72	H73	H74	H75	H76	H77	H78	H79	H80	H81	H82	H82A	H82B	H82C	H83	H84	H85
HFR3	F	T	I	S	R	D	N	S	K	N	T	L	Y	L	Q	M	N	S	L	R	A	E

Kabat No.	H86	H87	H88	H89	H90	H91	H92															
HFR3	D	T	A	V	Y	Y	C															

Kabat No.	H93	-	H102																			
HCDR3	(X)n																					

Kabat No.	H103	H104	H105	H106	H107	H108	H109	H110	H111	H112	H113											
HFR4	W	G	Q	G	T	L	V	T	V	S	S											

Figure 5A



Figur 5B

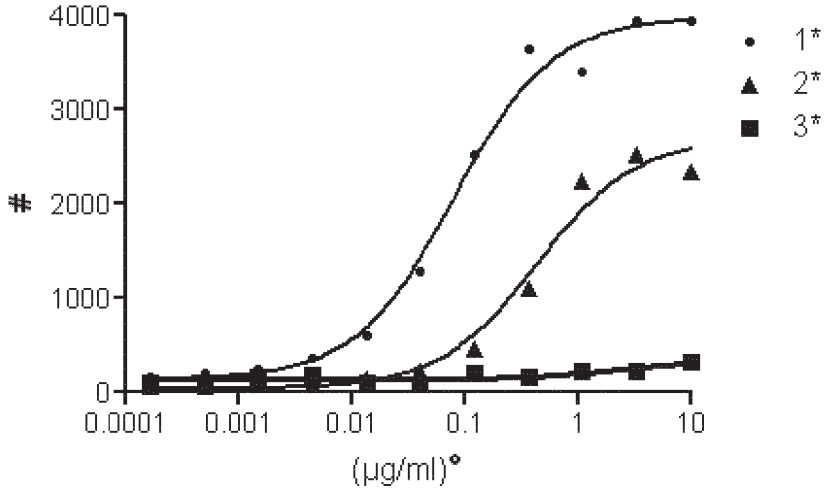


Figure 6A

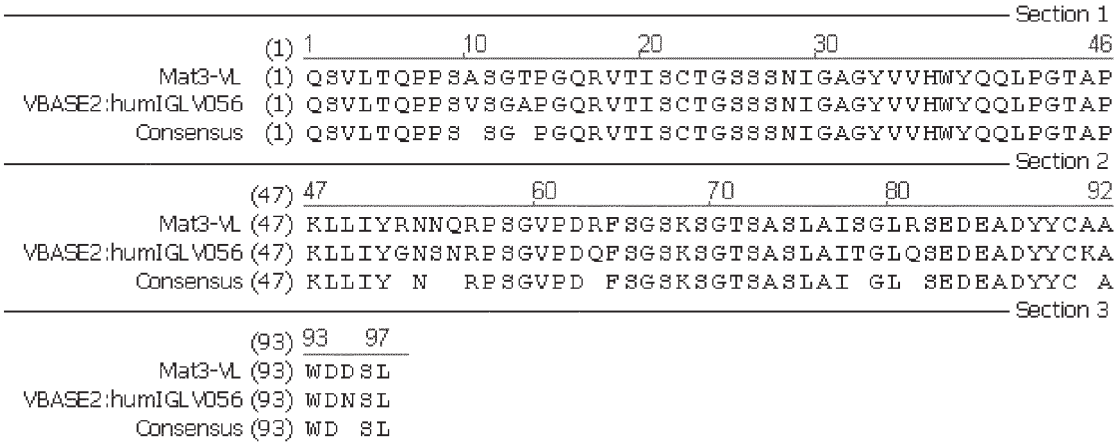


Figure 6B

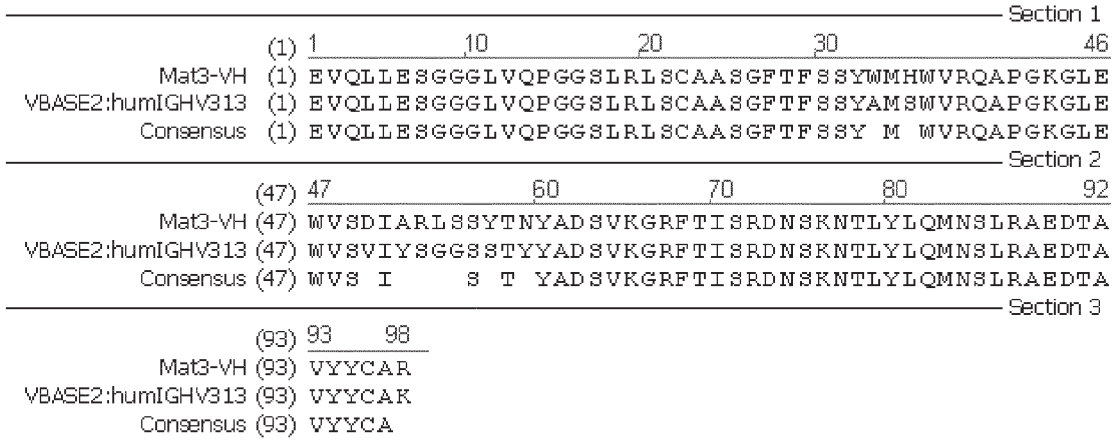


Figure 6C

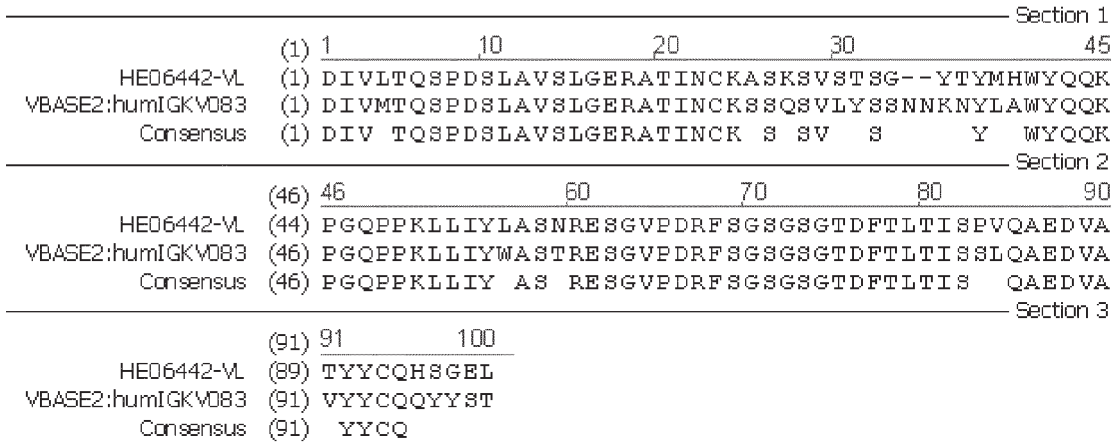


Figure 6D

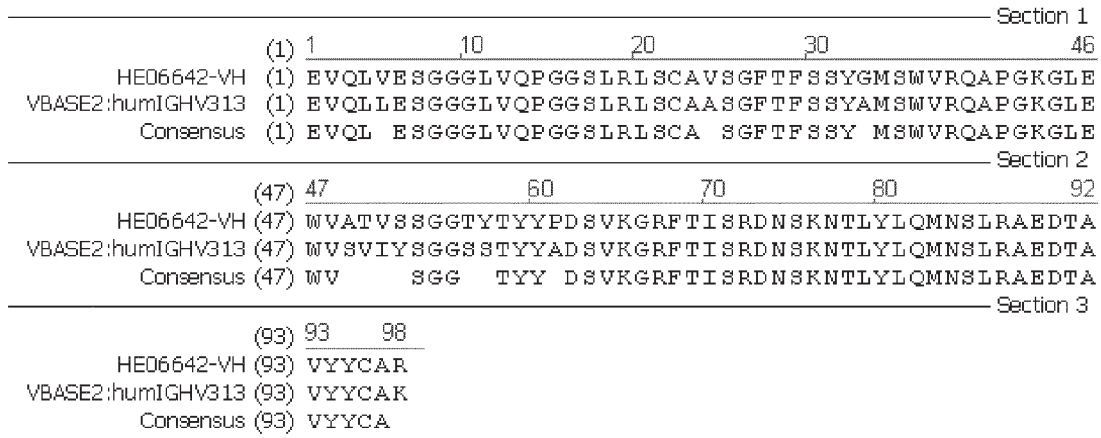

Section 1
(1) 1 10 20 30 46
HE06642-VH (1) EVQLVESGGGLVQPGGSLRLSCAVSGFTFSSYGMSWVRQAPGKGLE
VBASE2:humIGHV313 (1) EVQLLESGGGLVQPGGSLRLSCAASGFTFSSYAMSWVRQAPGKGLE
Consensus (1) EVQL ESGGGLVQPGGSLRLSCA SGFTFSSY MSWVRQAPGKGLE
Section 2
(47) 47 60 70 80 92
HE06642-VH (47) WVATVSSGGTYTYYPDSVKGRFTISRDNSKNTLYLQMNSLRAEDTA
VBASE2:humIGHV313 (47) WVSVIYSGGSSTYYADSVKGRFTISRDNSKNTLYLQMNSLRAEDTA
Consensus (47) WV SGG TYY DSVKGRFTISRDNSKNTLYLQMNSLRAEDTA
Section 3
(93) 93 98
HE06642-VH (93) VYYCAR
VBASE2:humIGHV313 (93) VYYCAK
Consensus (93) VYYCA

Figure 7

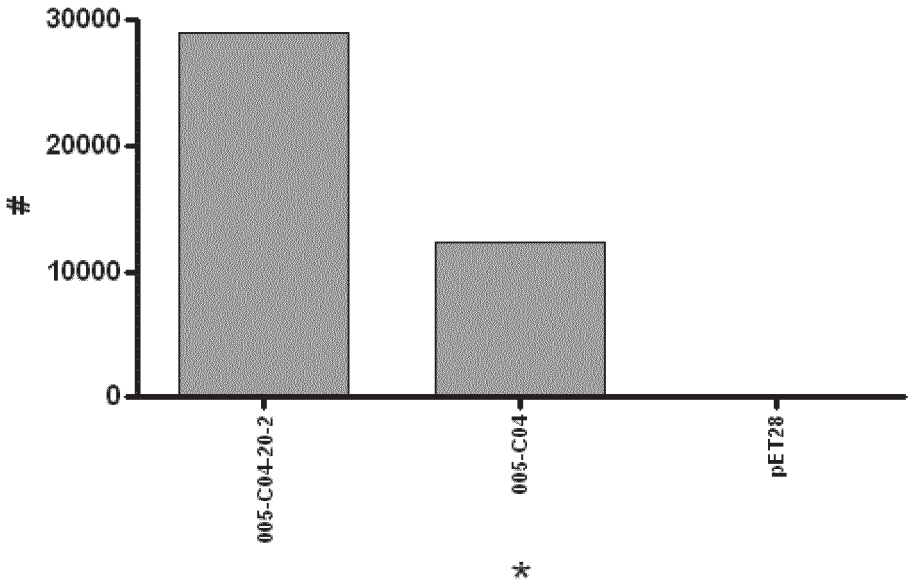


Figure 8A

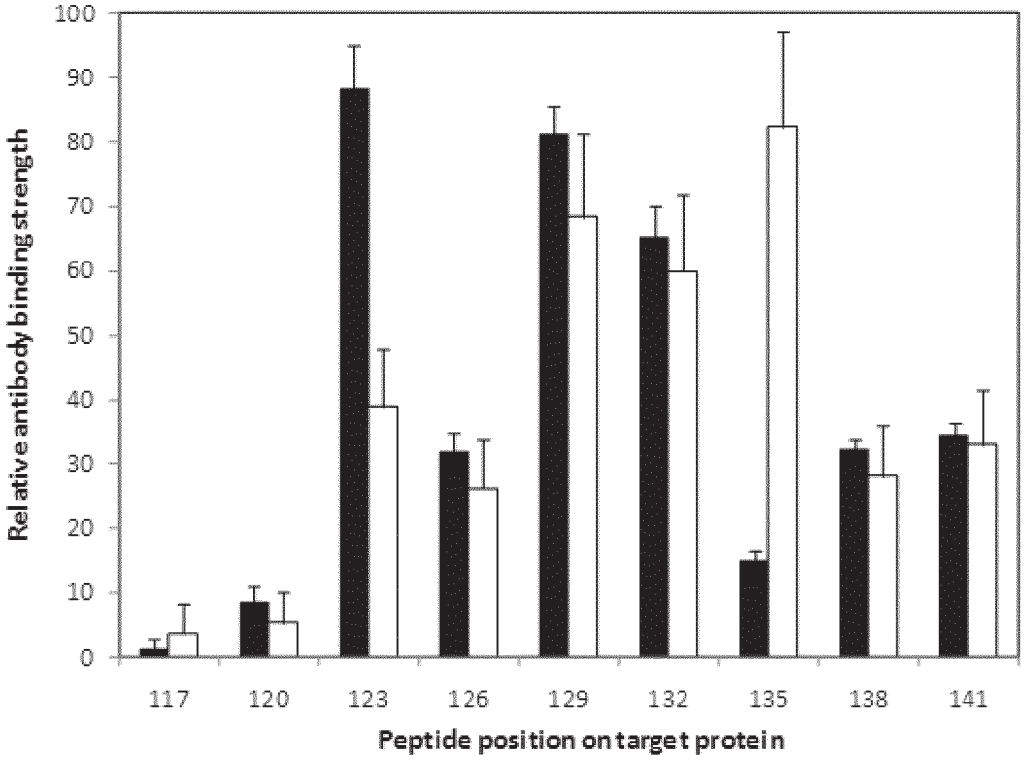
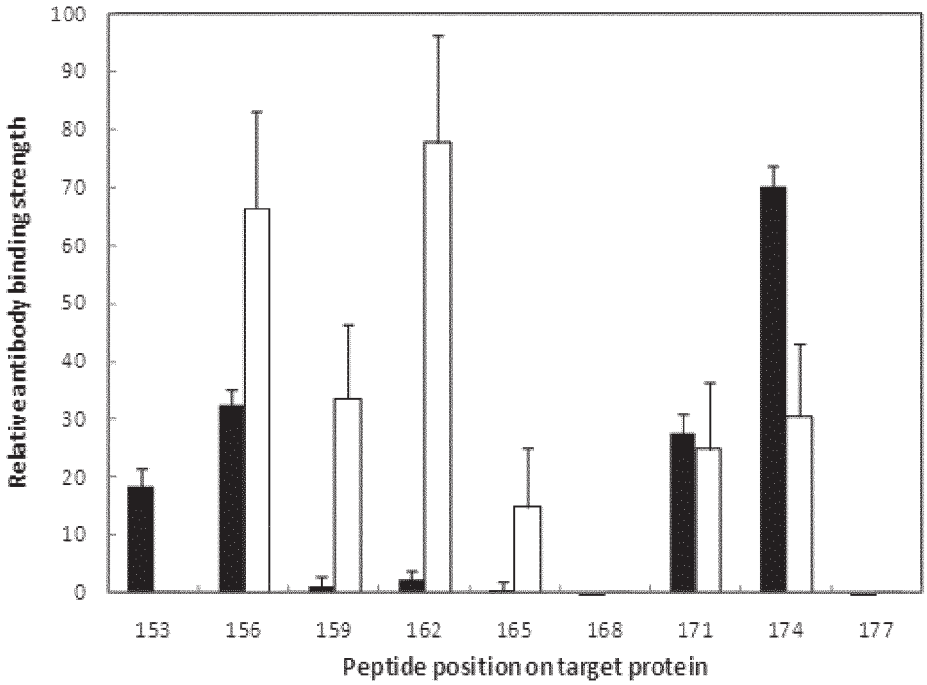


Figure 8B



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Figure 9

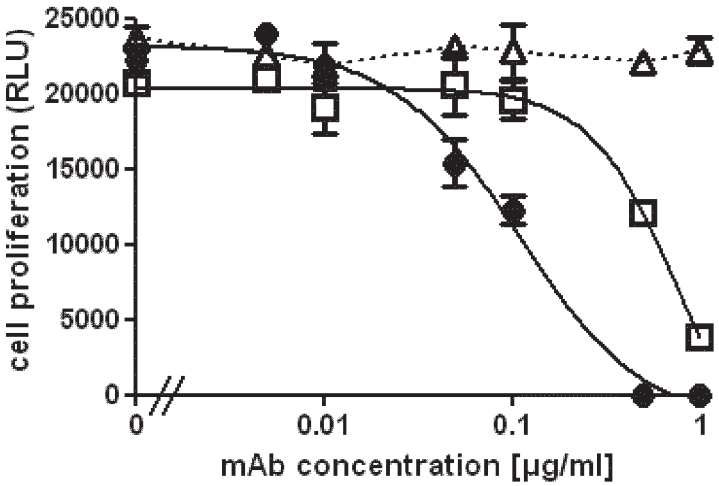


Figure 10

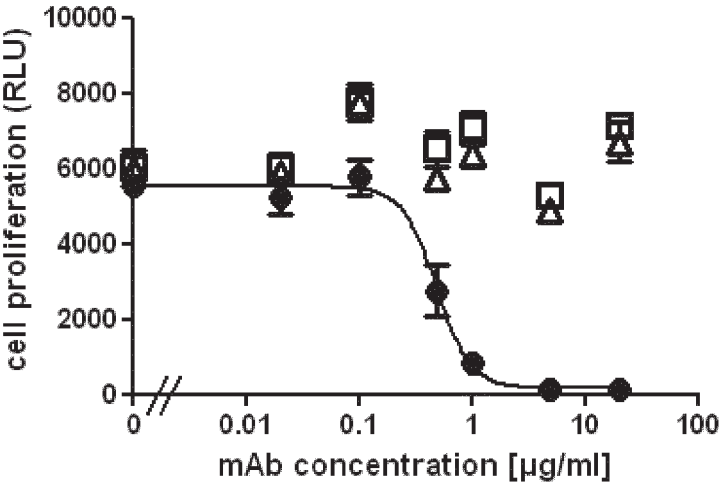


Figure 11A

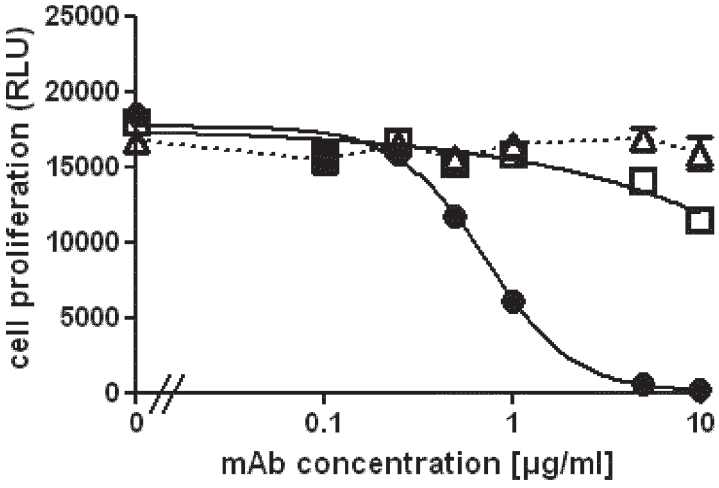


Figure 11B

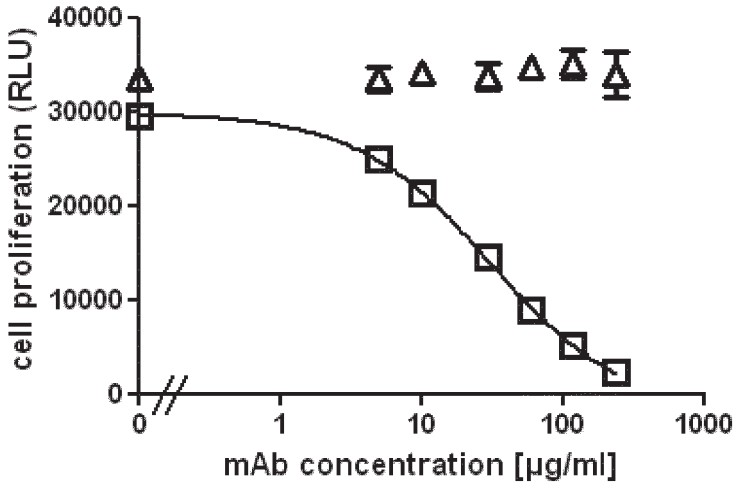
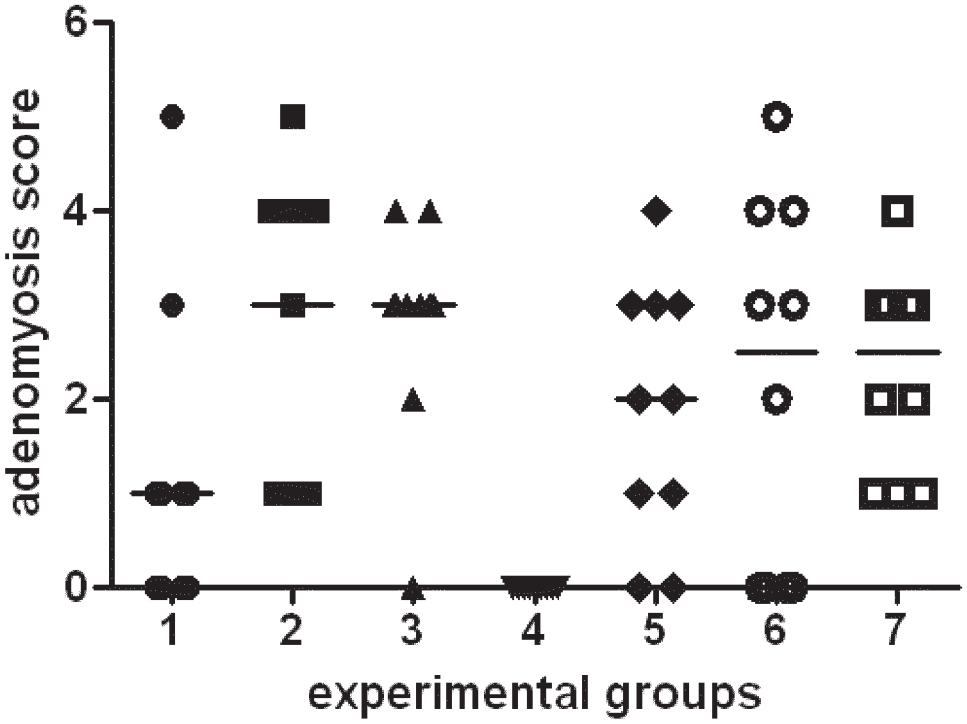


Figure 12



5

Figure 13A

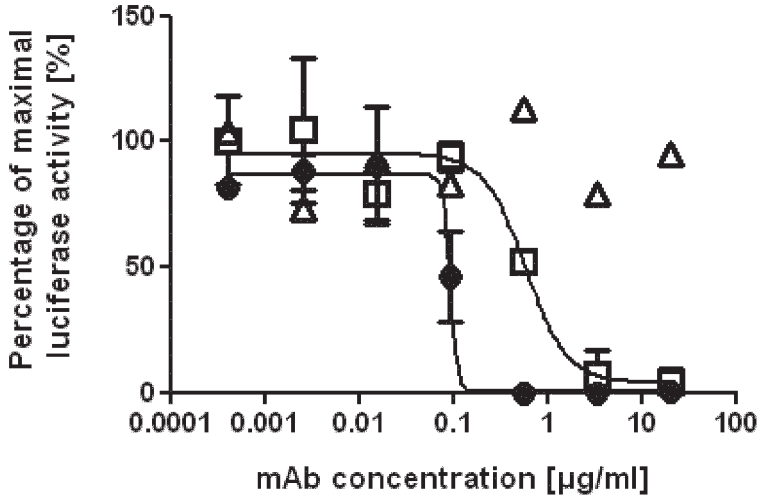


Figure 13B

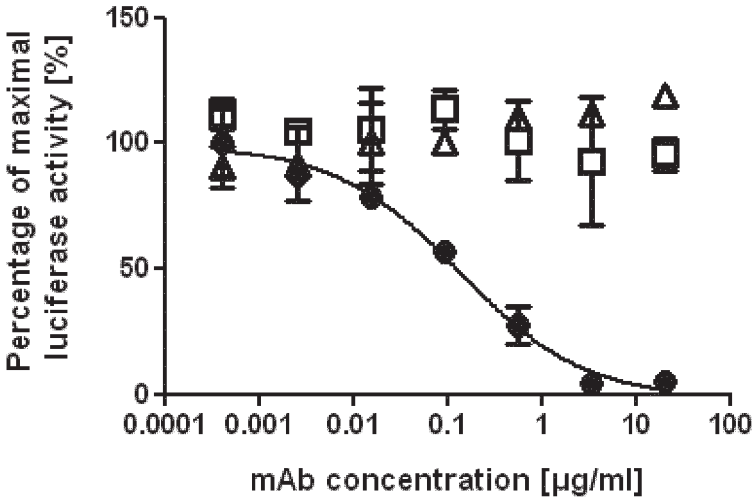
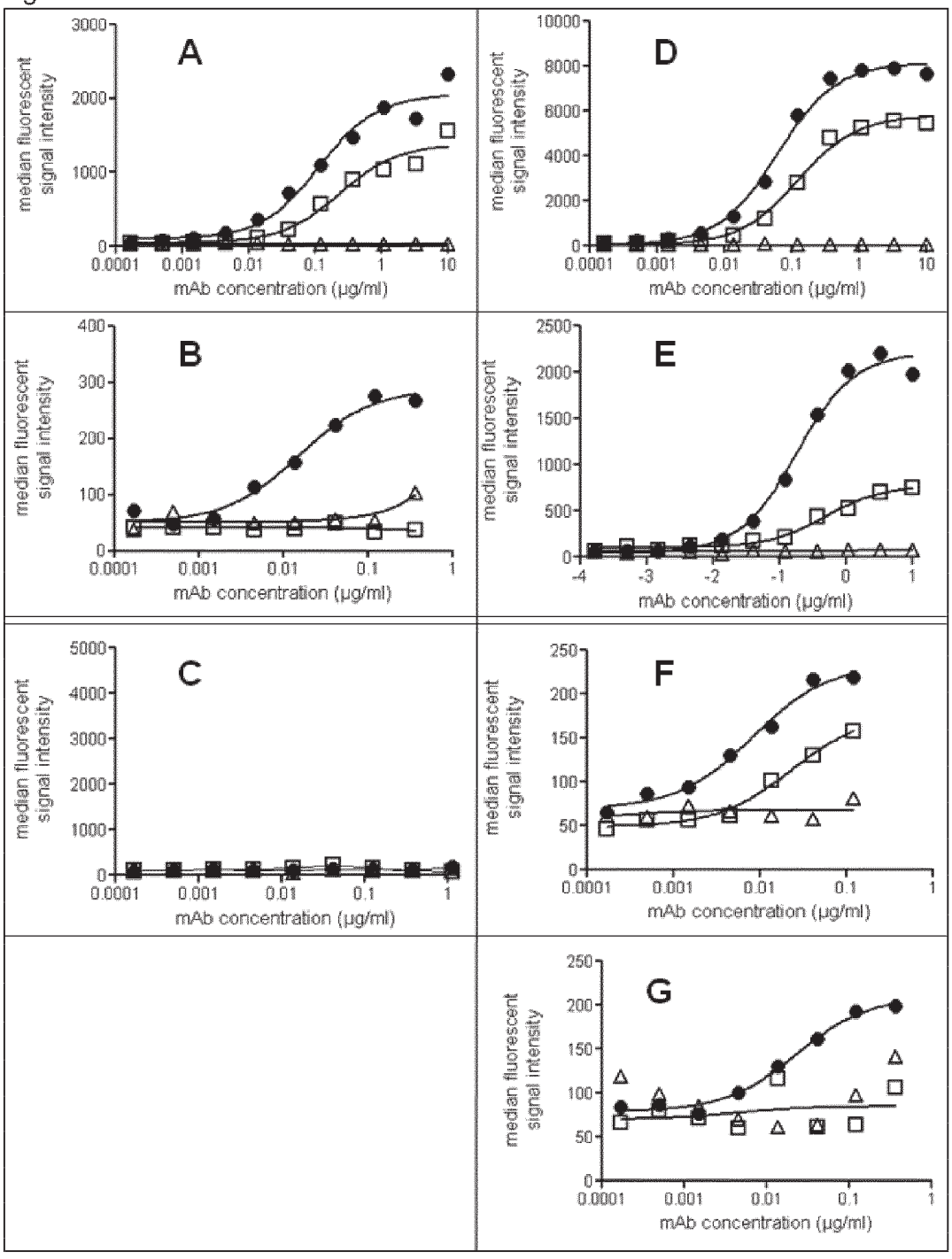


Figure 14


A
median fluorescent signal intensity
3000
2000
1000
0
0.0001 0.001 0.01 0.1 1 10
mAb concentration (µg/ml)
D
median fluorescent signal intensity
10000
8000
6000
4000
2000
0
0.0001 0.001 0.01 0.1 1 10
mAb concentration (µg/ml)
B
median fluorescent signal intensity
400
300
200
100
0
0.0001 0.001 0.01 0.1 1
mAb concentration (µg/ml)
E
median fluorescent signal intensity
2500
2000
1500
1000
500
0
-4 -3 -2 -1 0 1
mAb concentration (µg/ml)
C
median fluorescent signal intensity
5000
4000
3000
2000
1000
0
0.0001 0.001 0.01 0.1 1
mAb concentration (µg/ml)
F
median fluorescent signal intensity
250
200
150
100
50
0
0.0001 0.001 0.01 0.1 1
mAb concentration (µg/ml)
G
median fluorescent signal intensity
250
200
150
100
50
0
0.0001 0.001 0.01 0.1 1
mAb concentration (µg/ml)

5