MKKTAIAIAV ALAGFATVAQ AASDEEIQDV SGTWYLKAMT VDSRCPRAYY
SSVTPMTLTT LEGGNLEAKF TAQRSGRWQE YKLVLEKTDE PGKYTASGGR
HVAYIIRSHV KDHYIFHSEG LCPGQPVPGV WLVGRDPKNN LEALEDFEKA
AGARGLSTES ILIPRQSETS SPGS**AWSHPQ FEK**

Fig. 1

SwissProt P31025	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37
AB4004	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
wt TLc26	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
M3-B24(PSM)	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
S191.4-B24	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
S351.5-M21	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
S276.2-K04	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
S308.5-K12	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
S308.5-F08	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
S308.5-L4	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
S308.5-L20	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
S308.5-N1	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
S308.3-O10	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L
S308.5-N20	A	S	D	E	E	I	Q	D	V	S	G	T	W	Y	L

SwissProt P31025	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
AB4004	20	21	22	23	24	25	**26**	**27**	**28**	**29**	**30**	**31**	**32**	**33**	**34**
wt TLc26	K	A	M	T	V	D	**R**	**E**	**F**	**P**	**E**	**M**	**N**	**L**	**E**
M3-B24(PSM)	20	21	22	23	24	25	**26**	27	28	29	30	31	**32**	33	**34**
S191.4-B24	K	A	M	T	V	D	S	R	C	P	R	A	Y	Y	S
S351.5-M21	K	A	M	T	V	D	S	R	C	P	R	A	Y	Y	E
S276.2-K04	K	A	M	T	V	D	P	R	C	P	R	A	Y	Y	S
S308.5-K12	K	A	M	T	V	D	L	R	C	P	R	A	F	Y	W
S308.5-F08	K	A	M	T	V	D	S	R	C	P	R	A	V	Y	N
S308.5-L4	K	A	M	T	V	D	S	R	C	P	R	A	Y	Y	V
S308.5-L20	K	A	M	T	V	D	N	R	C	P	R	A	K	Y	D
S308.5-N1	K	A	M	T	V	D	Y	R	C	P	R	A	Y	Y	H
S308.3-O10	K	A	M	T	V	D	K	R	C	P	R	A	Y	Y	R
S308.5-N20	K	A	M	T	V	D	E	R	C	P	R	A	H	Y	G

Fig. 2 (cont. on next page)

SwissProt P31025	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
AB4004	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
wt TLc26	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
M3-B24(PSM)	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49
S191.4-B24	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
S351.5-M21	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
S276.2-K04	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
S308.5-K12	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
S308.5-F08	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
S308.5-L4	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
S308.5-L20	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
S308.5-N1	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
S308.3-O10	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L
S308.5-N20	S	V	T	P	M	T	L	T	T	L	E	G	G	N	L

SwissProt P31025	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82
AB4004	50	51	52	53	54	55	**56**	**57**	**58**	59	60	61	62	63	64
wt TLc26	E	A	K	**V**	T	**M**	**L**	I	**S**	G	R	**S**	Q	**E**	**V**
M3-B24(PSM)	50	51	52	53	54	**55**	**56**	57	**58**	59	60	61	62	**63**	64
S191.4-B24	E	A	K	F	T	A	Q	R	S	G	R	W	Q	E	Y
S351.5-M21	E	A	K	L	T	L	Q	R	K	G	R	W	Q	E	M
S276.2-K04	E	A	K	F	T	A	Q	R	S	G	R	W	Q	K	Y
S308.5-K12	E	A	K	F	T	A	L	R	I	G	R	W	Q	S	Y
S308.5-F08	E	A	K	F	T	A	Q	R	K	G	R	W	Q	K	Y
S308.5-L4	E	A	K	F	T	A	A	R	I	G	R	W	Q	S	Y
S308.5-L20	E	A	K	F	T	A	H	R	R	G	R	W	Q	Q	Y
S308.5-N1	E	A	K	F	T	A	H	R	A	G	R	W	Q	K	Y
S308.3-O10	E	A	K	F	T	A	K	R	N	G	R	W	Q	P	Y
S308.5-N20	E	A	K	F	T	A	M	R	L	G	R	W	Q	K	Y

Fig. 2 (cont. on next page)

SwissProt P31025	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97
AB4004	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
wt TLc26	K	**A**	V	L	E	K	T	D	E	P	G	K	Y	T	A
M3-B24(PSM)	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
S191.4-B24	K	L	V	L	E	K	T	D	E	P	G	K	Y	T	A
S351.5-M21	K	D	V	L	E	K	T	D	E	P	G	K	Y	T	A
S276.2-K04	K	L	V	L	E	K	T	D	E	P	G	K	Y	T	A
S308.5-K12	K	L	V	L	E	K	T	D	E	P	G	K	Y	T	A
S308.5-F08	K	L	V	L	E	K	T	D	E	P	G	K	Y	T	A
S308.5-L4	K	L	V	L	E	K	T	D	E	P	G	K	Y	T	A
S308.5-L20	K	L	V	L	E	K	T	D	E	P	G	K	Y	T	A
S308.5-N1	K	L	V	L	E	K	T	D	E	P	G	K	Y	T	A
S308.3-O10	K	L	V	L	E	K	T	D	E	P	G	K	Y	T	A
S308.5-N20	K	L	V	L	E	K	T	D	E	P	G	K	Y	T	A

SwissProt P31025	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112
AB4004	**80**	81	82	**83**	84	85	86	87	88	89	90	91	92	93	94
wt TLc26	**D**	G	G	**K**	H	V	A	Y	I	I	R	S	H	V	K
M3-B24(PSM)	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94
S191.4-B24	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K
S351.5-M21	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K
S276.2-K04	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K
S308.5-K12	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K
S308.5-F08	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K
S308.5-L4	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K
S308.5-L20	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K
S308.5-N1	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K
S308.3-O10	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K
S308.5-N20	S	G	G	R	H	V	A	Y	I	I	R	S	H	V	K

Fig. 2 (cont. on next page)

SwissProt P31025	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127
AB4004	95	96	97	98	99	100	101	102	103	**104**	**105**	**106**	107	**108**	109
wt TLc26	D	H	Y	I	F	Y	S	E	G	**E**	**L**	**H**	G	**K**	P
M3-B24(PSM)	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109
S191.4-B24	D	H	Y	I	F	H	S	E	G	L	C	P	G	Q	P
S351.5-M21	D	H	Y	I	F	Y	S	E	G	L	C	P	G	Q	P
S276.2-K04	D	H	Y	I	F	H	S	E	G	L	C	P	G	Q	P
S308.5-K12	D	H	Y	I	F	H	S	E	G	L	C	P	G	Q	P
S308.5-F08	D	H	Y	I	F	H	S	E	G	L	C	P	G	Q	P
S308.5-L4	D	H	Y	I	F	H	S	E	G	L	C	P	G	Q	P
S308.5-L20	D	H	Y	I	F	H	S	E	G	L	C	P	G	Q	P
S308.5-N1	D	H	Y	I	F	H	S	E	G	L	C	P	G	Q	P
S308.3-O10	D	H	Y	I	F	H	S	E	G	L	C	P	G	Q	P
S308.5-N20	D	H	Y	I	F	H	S	E	G	L	C	P	G	Q	P

SwissProt P31025	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142
AB4004	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
wt TLc26	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
M3-B24(PSM)	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124
S191.4-B24	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
S351.5-M21	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
S276.2-K04	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
S308.5-K12	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
S308.5-F08	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
S308.5-L4	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
S308.5-L20	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
S308.5-N1	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
S308.3-O10	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L
S308.5-N20	V	P	G	V	W	L	V	G	R	D	P	K	N	N	L

Fig. 2 (cont. on next page)

SwissProt P31025	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157
AB4004	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
wt TLc26	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
M3-B24(PSM)	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139
S191.4-B24	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
S351.5-M21	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
S276.2-K04	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
S308.5-K12	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
S308.5-F08	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
S308.5-L4	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
S308.5-L20	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
S308.5-N1	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
S308.3-O10	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L
S308.5-N20	E	A	L	E	D	F	E	K	A	A	G	A	R	G	L

SwissProt P31025	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172
AB4004	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154
wt TLc26	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
M3-B24(PSM)	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154
S191.4-B24	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
S351.5-M21	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
S276.2-K04	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
S308.5-K12	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
S308.5-F08	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
S308.5-L4	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
S308.5-L20	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
S308.5-N1	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
S308.3-O10	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S
S308.5-N20	S	T	E	S	I	L	I	P	R	Q	S	E	T	S	S

Fig. 2 (cont. on next page)

SwissProt P31025	173	174
AB4004	155	156
wt TLc26	P	G
M3-B24(PSM)	155	156
S191.4-B24	P	G
S351.5-M21	P	G
S276.2-K04	P	G
S308.5-K12	P	G
S308.5-F08	P	G
S308.5-L4	P	G
S308.5-L20	P	G
S308.5-N1	P	G
S308.3-O10	P	G
S308.5-N20	P	G

Fig. 2 (cont. from prev. page)

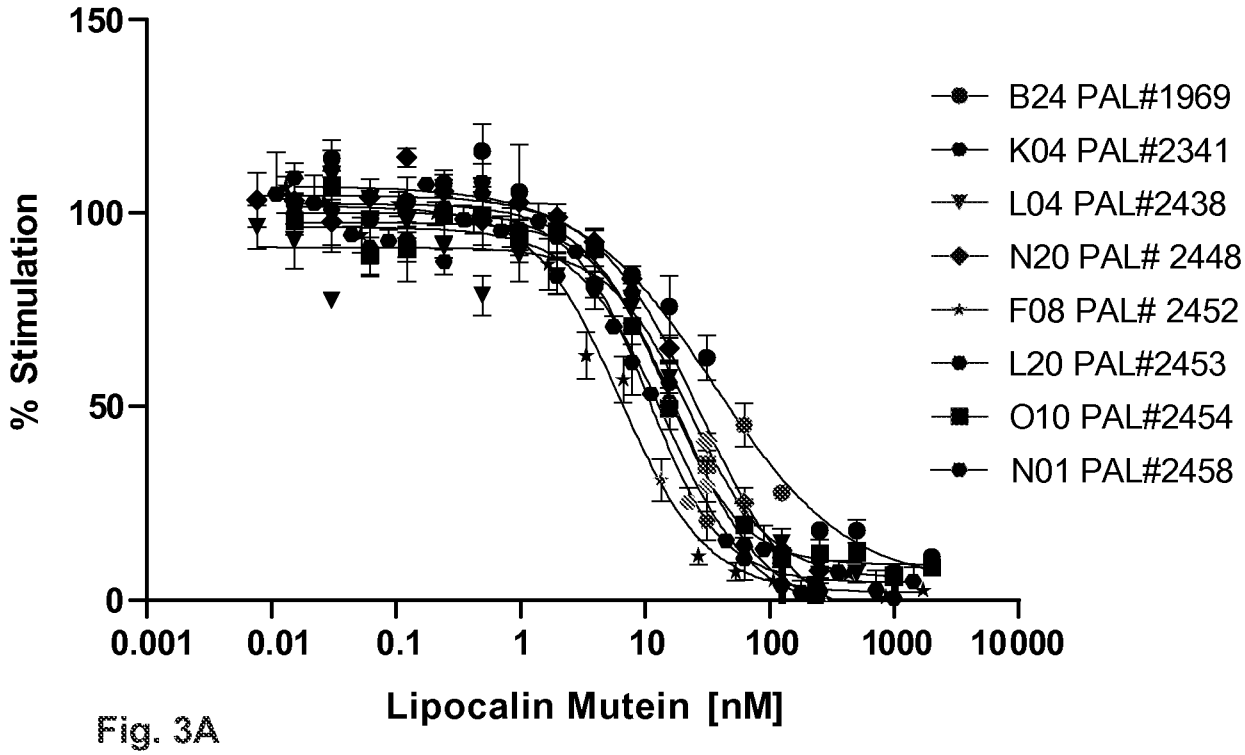


Fig. 3A

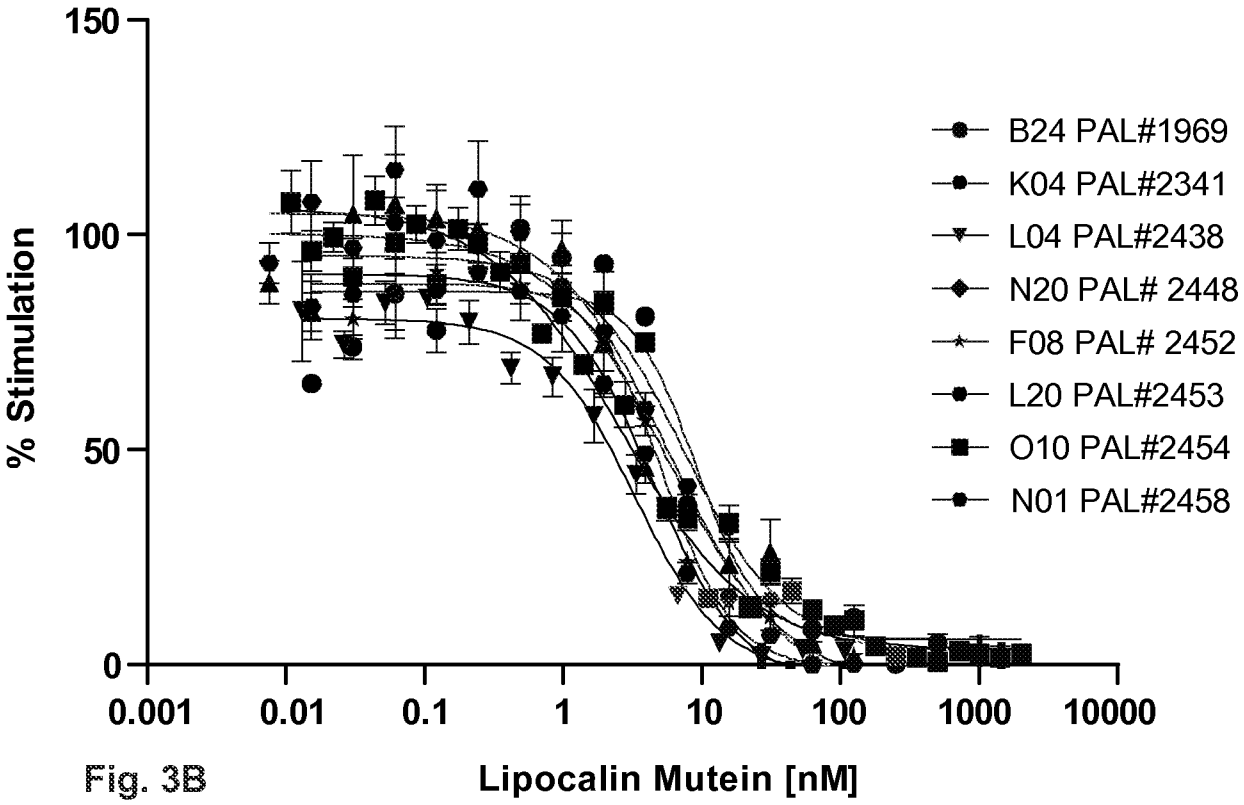


Fig. 3B

	IC50 TF1-Proliferation assay IL-13 (nM)	IC50 TF1-Proliferation assay IL-4 (nM)	Biacore affinity KD (M)
S276.2 K04	14.8	3.6	2.30E-11
S308.5 F08	7.4	3.8	2.01E-11
S308.5 N01	17.7	4.4	2.41E-11
S308.5 L20	14.4	5.3	2.49E-11
S308.5 L04	22.9	5.7	7.24E-11
S308.5 N20	27.6	5.9	3.48E-11
S308.3 O10	15.1	7.5	1.32E-12
S191.4 B24	35.9	9.1	1.10E-10

Fig. 4