

Name	SEQ ID NO	Conc. (mg/mL)	Total (mg) post purification	Yield (mg/L)	Purity (SDS- Page)	HER2 binding		CD25 binding		CD122 binding		Human Primary Cells (PBM/Cs)				Bio- conjugation	
						Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	CD4 T cells (mean EC50 pM)	Treg cells (mean EC50 pM)	CD8 T cells (mean EC50 pM)	NK cells (mean EC50 pM)	Yes / No	Yes / No
2-102	SEQ ID NO: 99	1,4	2,04	15,72	>95	Yes	Yes	Yes	Yes	Yes	Yes	53	<1	1314	80	Yes	Yes
2-105	SEQ ID NO: 26	1,94	2,93	22,53	>95	Yes	Yes	Yes	Yes	Yes	Yes	526	2	2775	221	Yes	Yes
2-106	SEQ ID NO: 27	1,86	2,85	21,89	>95	Yes	Yes	No	No	Yes	Yes	5240	172	5576	448	Yes	Yes
2-107	SEQ ID NO: 28	1,63	2,45	18,81	>95	Yes	Yes	No	No	Yes	Yes	7185	649	9581	537	Yes	Yes
2-112	SEQ ID NO: 31	0,66	2,01	15,48	>95	Yes	Yes	Yes	Yes	Yes	Yes	98	<1	2763	540	NT	NT
2-113	SEQ ID NO: 33	0,72	2,16	16,62	>95	Yes	Yes	Yes	Yes	Yes	Yes	85	<1	2206	647	NT	NT
2-114	SEQ ID NO: 32	1,21	3,75	28,85	>95	Yes	Yes	Yes	Yes	Yes	Yes	229	<1	8505	1160	Yes	Yes
2-115	SEQ ID NO: 34	1,06	3,24	24,95	>95	Yes	Yes	Yes	Yes	Yes	Yes	150	1	1970	292	Yes	Yes
2-116	SEQ ID NO: 38	0,66	2,00	15,38	>95	Yes	Yes	Yes	Yes	Yes	Yes	128	1	2038	304	Yes	Yes
2-120	SEQ ID NO: 51	0,78	2,30	17,70	>95	Yes	Yes	Yes	Yes	Yes	Yes	92	1	2519	289	Yes	Yes

FIG. 1A

Name	SEQ.ID NO	Conc. (mg/mL)	Total (mg) post purification	Yield (mg/L)	Purity (SDS- Page)	HER2 binding Yes/No	CD25 binding Yes/No	CD122 binding Yes/No	Human Primary Cells (PBMCs)				Bio- conjugation Yes / No
									CD4 T cells (mean EC50 pM)	Treg cells (mean EC50 pM)	CD8 T cells (mean EC50 pM)	NK cells (mean EC50 pM)	
									mean	mean	mean	mean	
2-121	SEQ.ID NO: 53	0,65	2,57	19,80	>95	Yes	Yes	Yes	69	1	1998	278	Yes
2-122	SEQ.ID NO: 55	0,64	1,95	14,97	>95	Yes	Yes	Yes	74	<1	1915	304	Yes
2-123	SEQ.ID NO: 58	0,95	2,93	22,51	>95	Yes	Yes	Yes	118	<1	1787	320	Yes
2-124	SEQ.ID NO: 59	0,9	2,69	20,70	>95	Yes	Yes	Yes	111	1	3121	450	Yes
2-125	SEQ.ID NO: 60	0,83	2,22	17,05	>95	Yes	Yes	Yes	70	<1	4874	123	Yes
2-126	SEQ.ID NO: 61	1,48	4,32	33,24	>95	Yes	Yes	Yes	84	<1	3011	296	Yes
2-130	SEQ.ID NO: 62	0,66	1,93	19,3	<95	Yes	No	Yes	4305	248	2736	337	Yes
2-131	SEQ.ID NO: 63	1,09	3,3	33	<95	Yes	No	Yes	5997	868	3847	881	Yes

FIG. 1B

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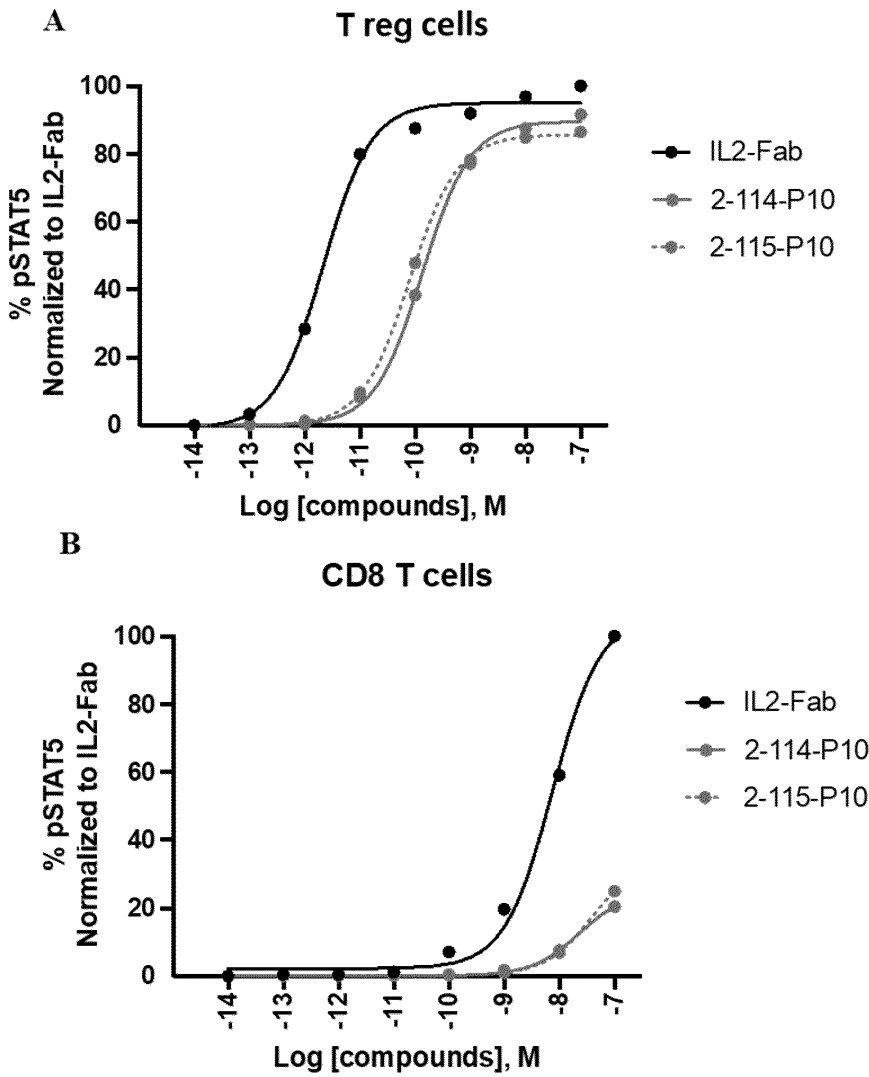


FIG. 2

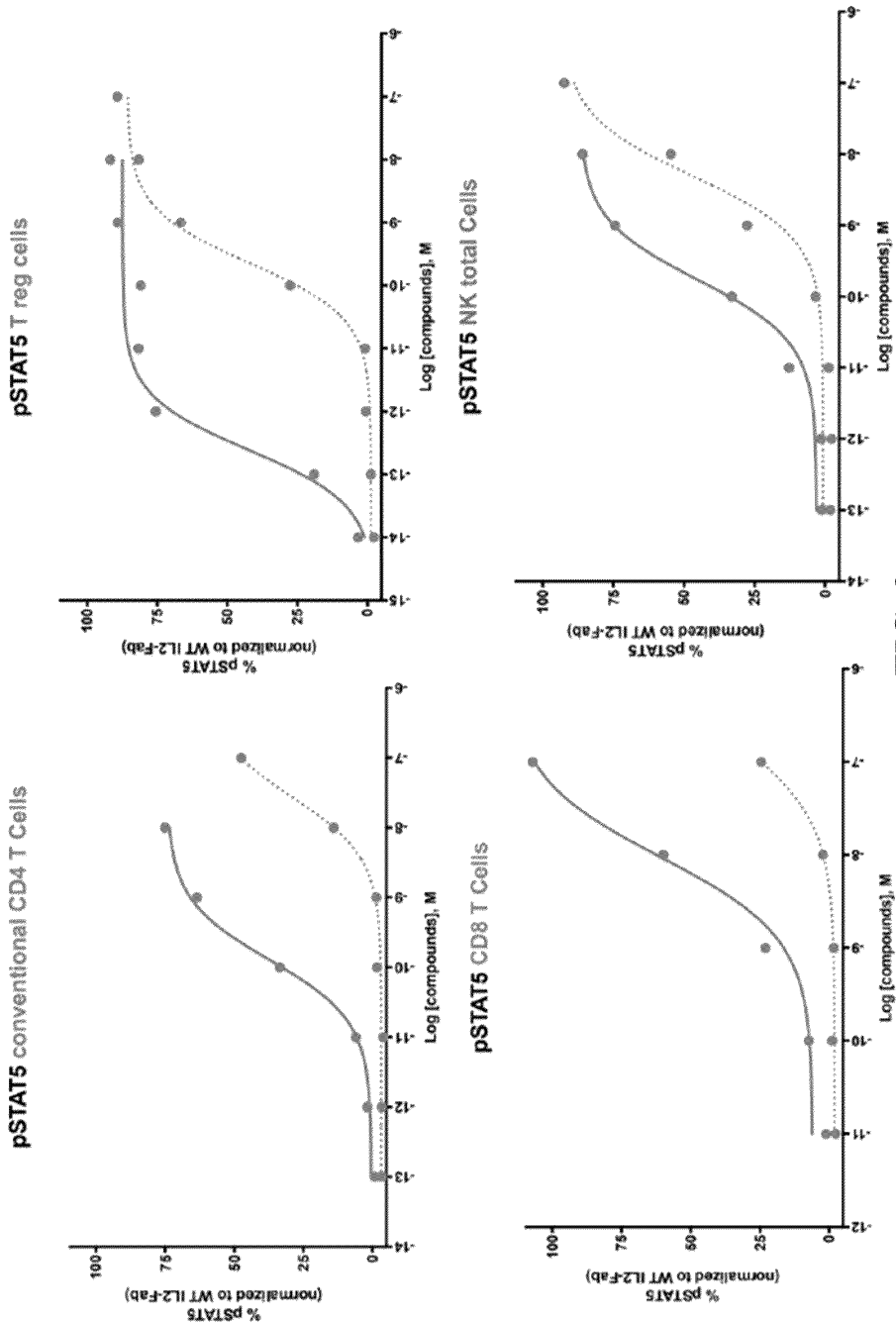
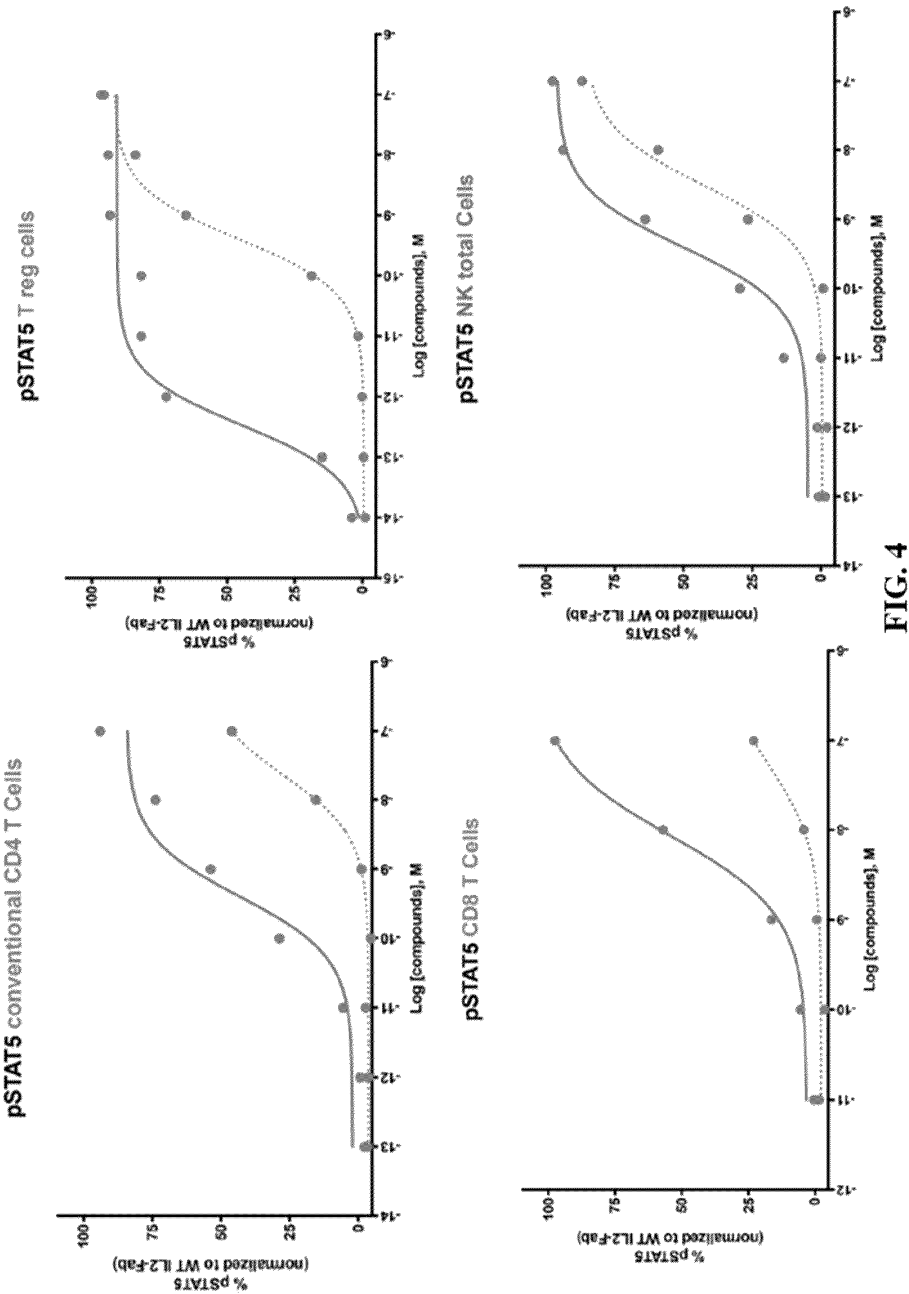
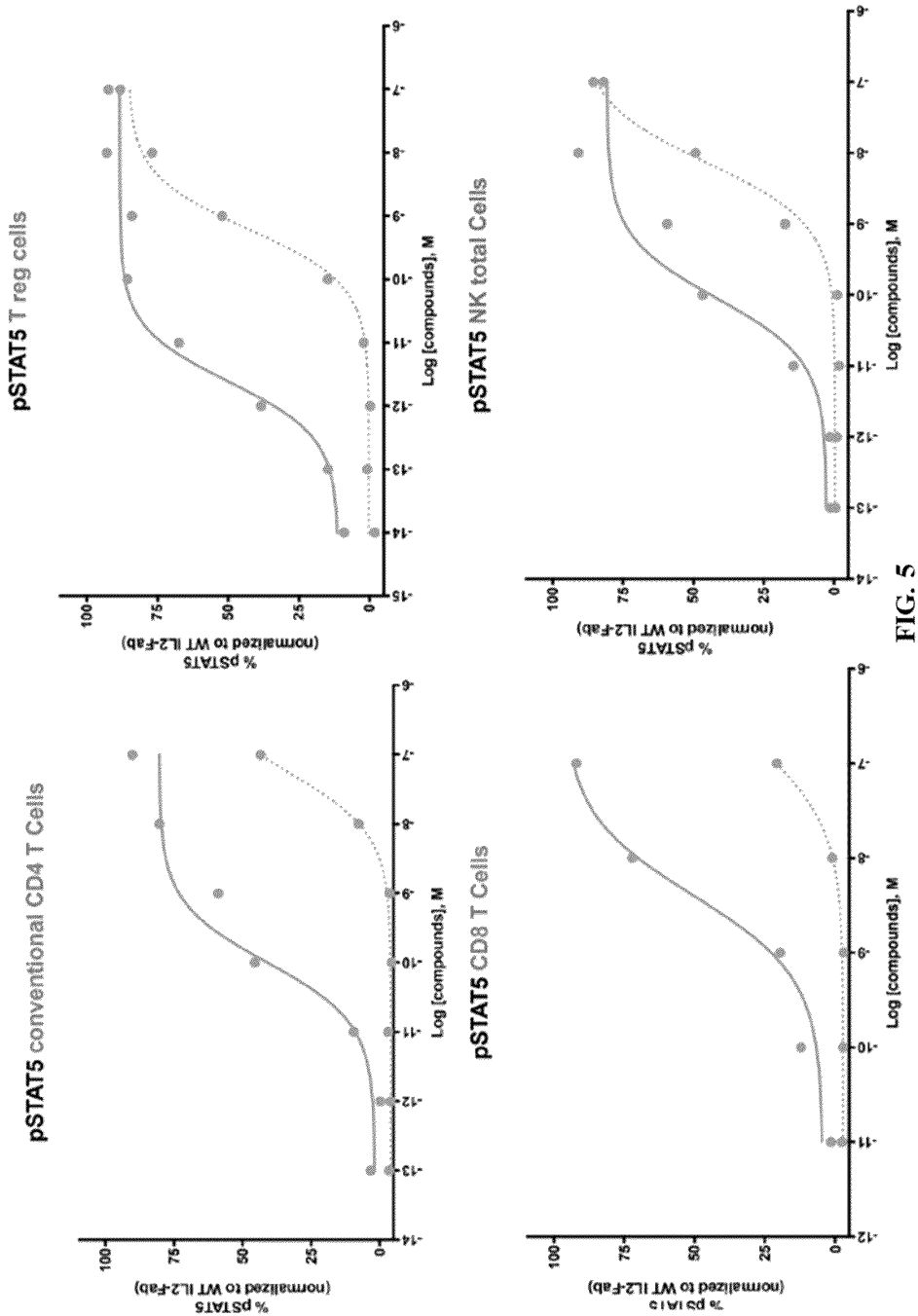


FIG. 3





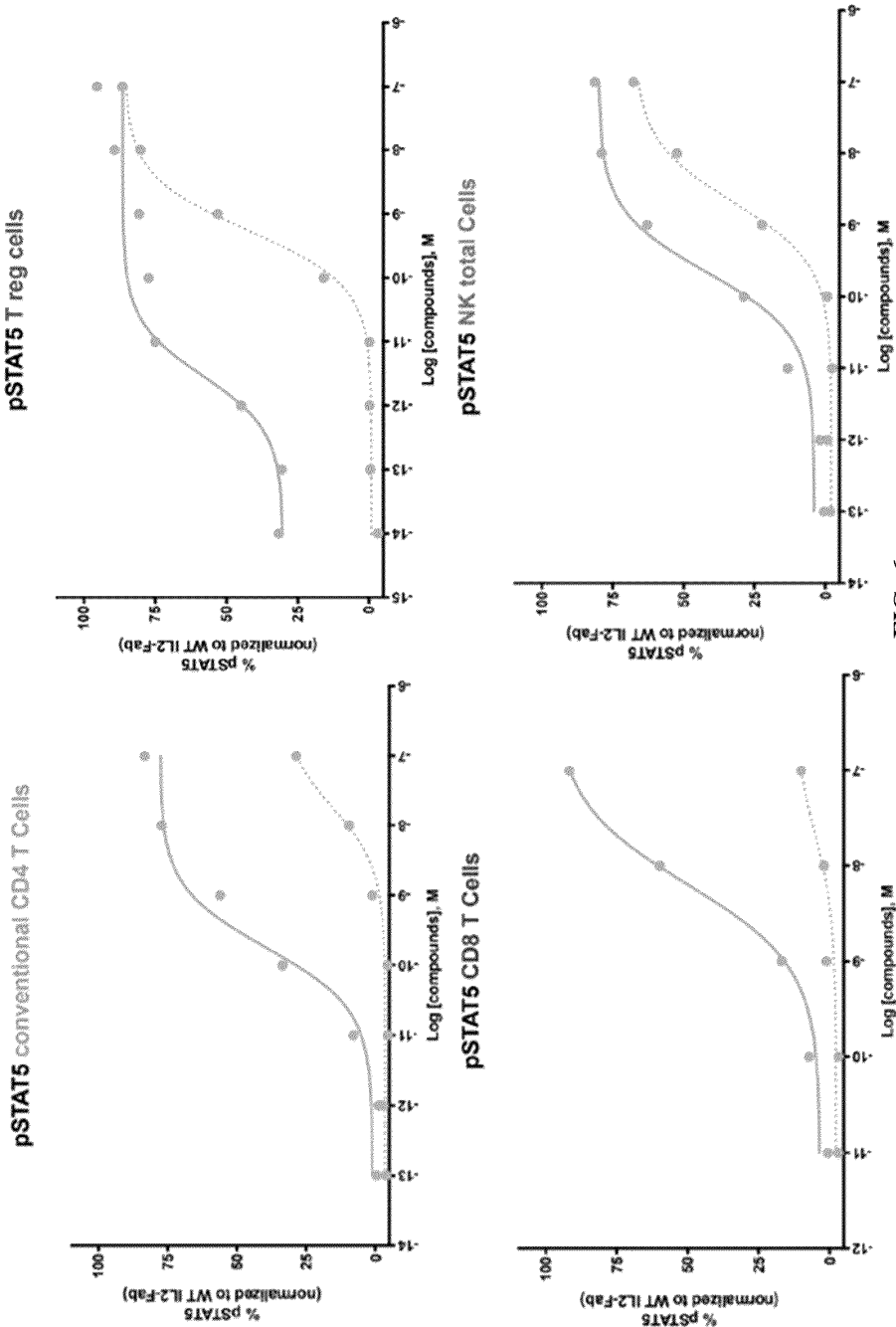


FIG. 6

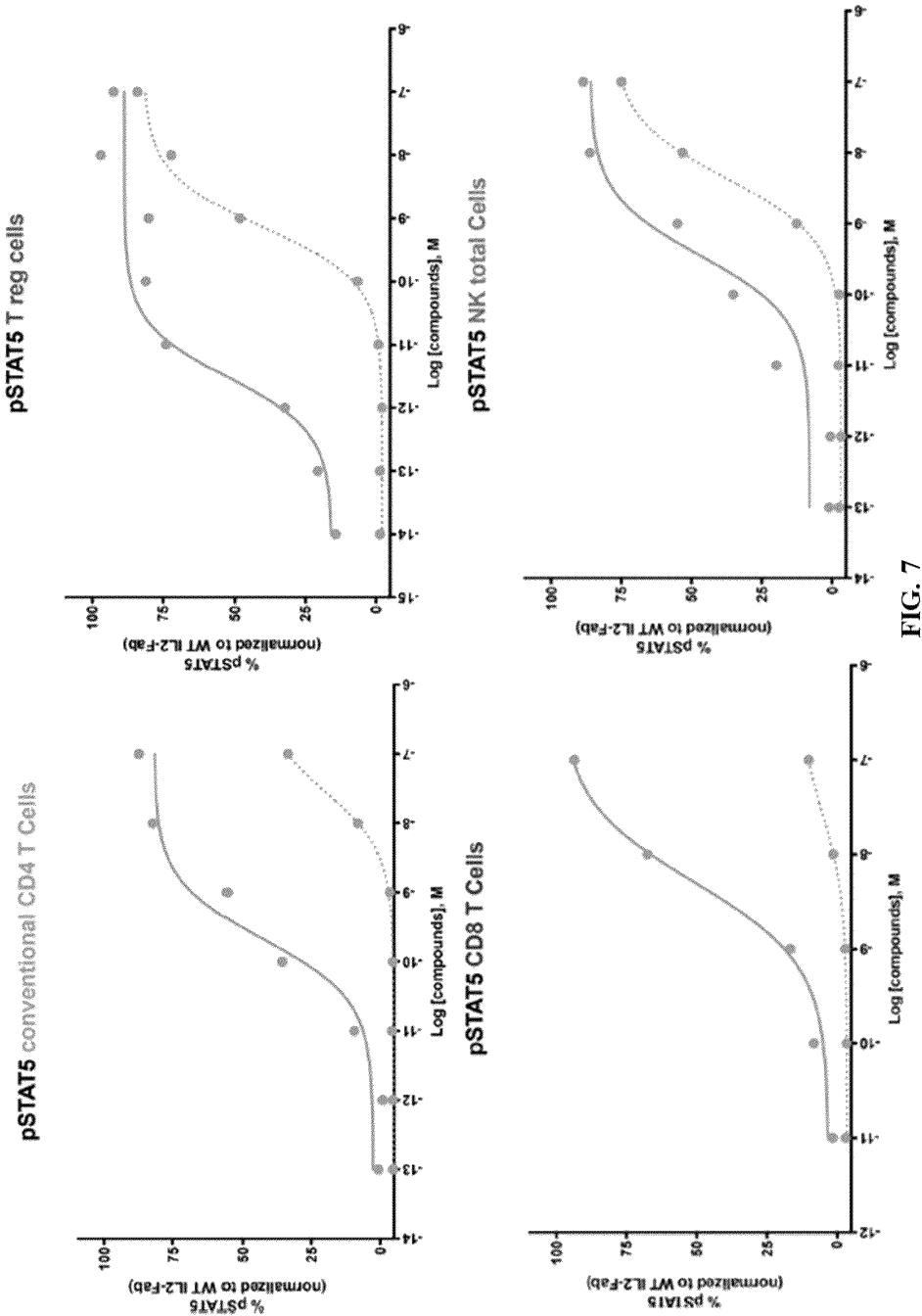


FIG. 7

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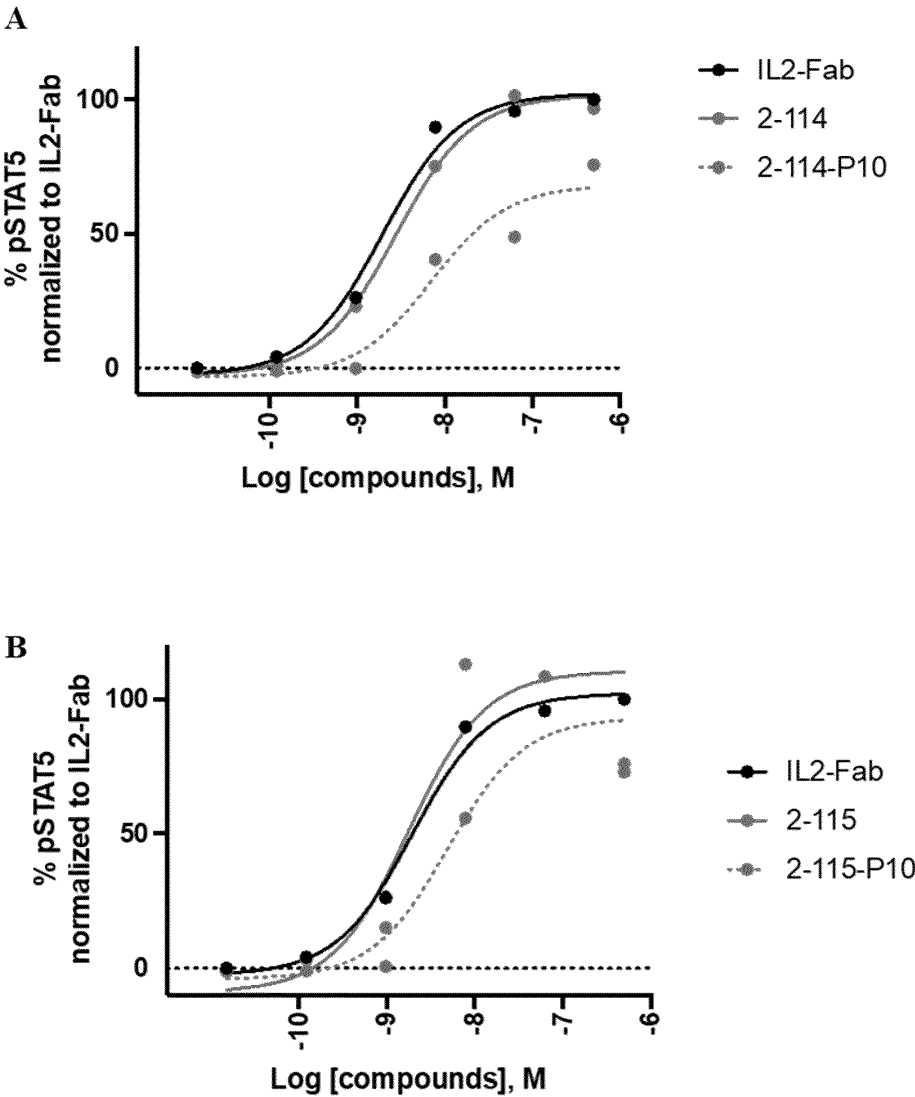


FIG. 8 (A-B)

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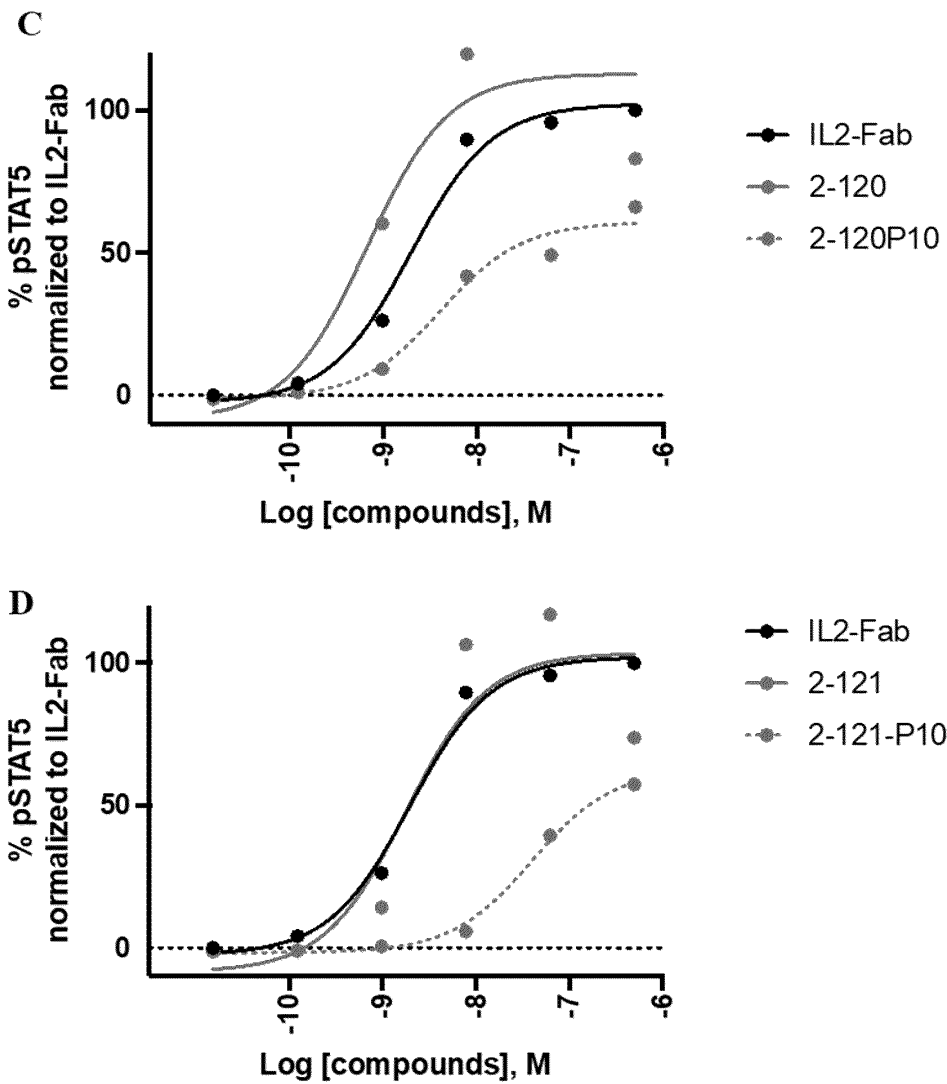


FIG. 8 (C-D)

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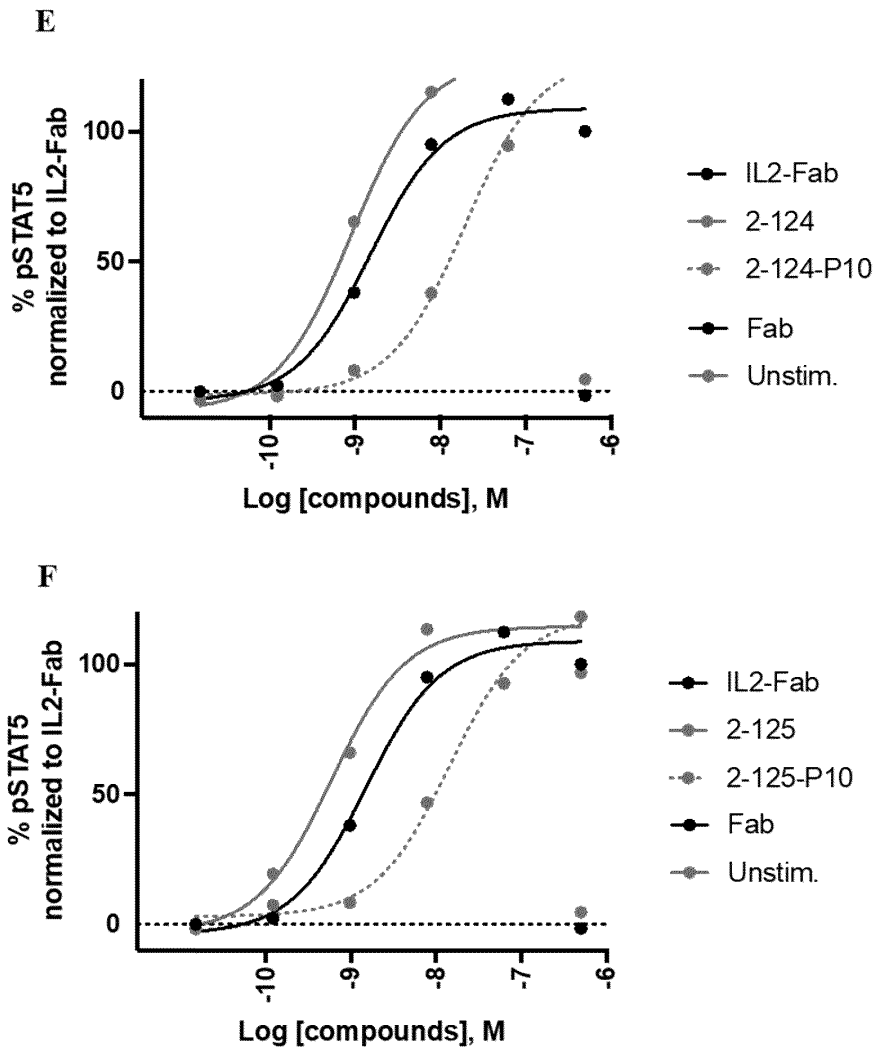


FIG. 8 (E-F)

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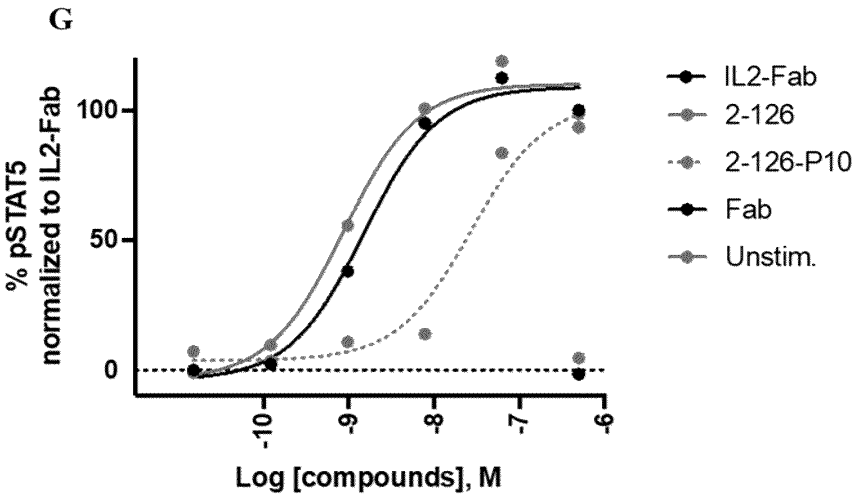


FIG. 8G

Name	SEQ ID NO	Conc. (mg/mL)	Total (mg) post-purification	Yield (mg/L)	Purity (SDS-page)	HER2 binding	CD25 binding	CD122 binding	Human Primary Cells (PBMCs)				Bio-conjugation
									CD4 T cells (mean EC50 pM)	Treg cells (mean EC50 pM)	CD8 T cells (mean EC50 pM)	NK cells (mean EC50 pM)	
						Yes/No	Yes/No	Yes/No	mean	mean	mean	mean	Yes / No
2-132	SEQ ID NO: 64	0,66	1,92	19,2	<95	Yes	No	Yes	9778	261	3759	483	Yes
2-133	SEQ ID NO: 65	0,84	2,44	24,4	<95	Yes	No	Yes	5927	173	3168	322	Yes
2-134	SEQ ID NO: 66	0,81	2,43	24,3	<95	Yes	No	Yes	6645	224	4748	961	Yes
2-135	SEQ ID NO: 67	1,08	3,21	32,1	<95	Yes	No	Yes	9190	262	5891	979	Yes
2-137	SEQ ID NO: 69	1,42	4,3	43	<95	Yes	No	Yes	2359	121	1959	307	Yes
2-138	SEQ ID NO: 70	0,81	2,37	23,7	<95	Yes	No	Yes	4662	300	4154	1004	Yes
2-140	SEQ ID NO: 71	0,98	2,78	27,8	<95	Yes	No	Yes	3592	65	2315	270	Yes

FIG. 9

Name	SEQ ID NO	Conc. (mg/mL)	Total (mg) post purification	Yield (mg/L)	Purity (SDS- Page)	HER2 binding Yes/No	CD25 binding Yes/No	CD122 binding Yes/No	Human Primary Cells (PBMCs)				Bio- conjugation Yes / No
									CD4 T cells (mean EC50 pM)	Treg cells (mean EC50 pM)	CD8 T cells (mean EC50 pM)	NK cells (mean EC50 pM)	
2-142	SEQ ID NO: 73	1,2	3,5	35	<95	Yes	No	Yes	mean 4004	mean 368	mean 2255	mean 333	NT
2-143	SEQ ID NO: 74	1,35	3,92	39,2	<95	Yes	No	Yes	6096	213	2441	324	NT
2-144	SEQ ID NO: 75	0,99	2,83	28,3	<95	Yes	No	Yes	4054	150	1880	268	NT
2-145	SEQ ID NO: 76	1,15	3,3	33	<95	Yes	No	Yes	2688	172	1546	203	NT
2-146	SEQ ID NO: 77	1,45	4,18	41,8	<95	Yes	No	Yes	5275	232	2971	423	NT
2-147	SEQ ID NO: 78	1,1	3,15	31,5	<95	Yes	No	Yes	2707	125	1564	211	NT
2-150	SEQ ID NO: 79	1,15	3,32	33,2	<95	Yes	No	Yes	3683	160	2271	229	NT
2-151	SEQ ID NO: 80	0,98	3,01	30,1	<95	Yes	No	Yes	4787	311	3246	453	NT
2-152	SEQ ID NO: 81	1,19	3,51	35,1	<95	Yes	No	Yes	6050	877	3086	357	NT
2-153	SEQ ID NO: 82	1,08	3,24	32,4	<95	Yes	No	Yes	4297	386	1751	205	NT

FIG. 10A

Name	SEQ ID NO	Conc. (mg/mL)	Total (mg) post purification	Yield (mg/L)	Purity (SDS- Page)	HER2 binding		CD25 binding		CD122 binding		Human Primary Cells (PBMCs)				Bio- conjugation
						Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	CD4 T cells (mean EC50 pM)	Treg cells (mean EC50 pM)	CD8 T cells (mean EC50 pM)	NK cells (mean EC50 pM)	
												mean	mean	mean	mean	Yes / No
2-154	SEQ ID NO: 83	1.09	3.26	32.6	<95	Yes	No	No	Yes	Yes	Yes	6077	615	3594	333	NT
2-155	SEQ ID NO: 84	1.3	3.58	35.8	<95	Yes	No	No	Yes	Yes	Yes	10286	680	4666	306	NT
2-156	SEQ ID NO: 85	1.43	3.95	39.5	<95	Yes	No	No	Yes	Yes	Yes	9071	638	4415	382	NT
2-157	SEQ ID NO: 86	1.59	4.93	49.3	<95	Yes	No	No	Yes	Yes	Yes	6039	544	3097	295	NT
2-158	SEQ ID NO: 87	0.91	2.7	27	<95	Yes	No	No	Yes	Yes	Yes	4985	385	2579	159	NT
2-159	SEQ ID NO: 88	0.7	2.14	21.4	<95	Yes	No	No	Yes	Yes	Yes	3976	386	2269	194	NT
2-160	SEQ ID NO: 89	0.98	2.91	29.1	<95	Yes	No	No	Yes	Yes	Yes	3388	354	1691	174	NT
2-161	SEQ ID NO: 90	1.06	3.24	32.4	<95	Yes	No	No	Yes	Yes	Yes	7232	470	3406	294	NT

FIG. 10B

Name	SEQ.ID NO	Conc. (mg/mL)	Total (mg) post purification	Yield (mg/L)	Purity (SDS- Page)	HER2 binding Yes/No	CD25 binding Yes/No	CD122 binding Yes/No	Human Primary Cells (PBMCs)				Bio- conjugation Yes / No
									CD4 T cells (mean EC50 pM)	Treg cells (mean EC50 pM)	CD8 T cells (mean EC50 pM)	NK cells (mean EC50 pM)	
2-162	SEQ.ID NO: 91	0,98	3,04	30,4	<95	Yes	Yes	Yes	mean 1244	mean 2	mean 1720	mean 162	Yes
2-163	SEQ.ID NO: 92	1,02	3,03	30,3	<95	Yes	Yes	Yes	mean 1180	mean 2	mean 1280	mean 75	Yes
2-164	SEQ.ID NO: 93	0,93	2,85	28,5	<95	Yes	Yes	Yes	mean 1504	mean 2	mean 1661	mean 148	Yes
2-166	SEQ.ID NO: 94	0,63	1,91	19,1	<95	Yes	Yes	Yes	mean 1675	mean 3	mean 2316	mean 289	NT
2-167	SEQ.ID NO: 95	0,6	1,87	18,7	<95	Yes	Yes	Yes	mean 1028	mean 1	mean 1490	mean 203	NT
2-170	SEQ.ID NO: 96	0,76	2,25	22,5	<95	Yes	Yes	Yes	mean 869	mean 2	mean 1214	mean 168	NT
2-171	SEQ.ID NO: 97	0,62	1,87	18,7	<95	Yes	Yes	Yes	mean 1420	mean 3	mean 2135	mean 275	NT

FIG. 11

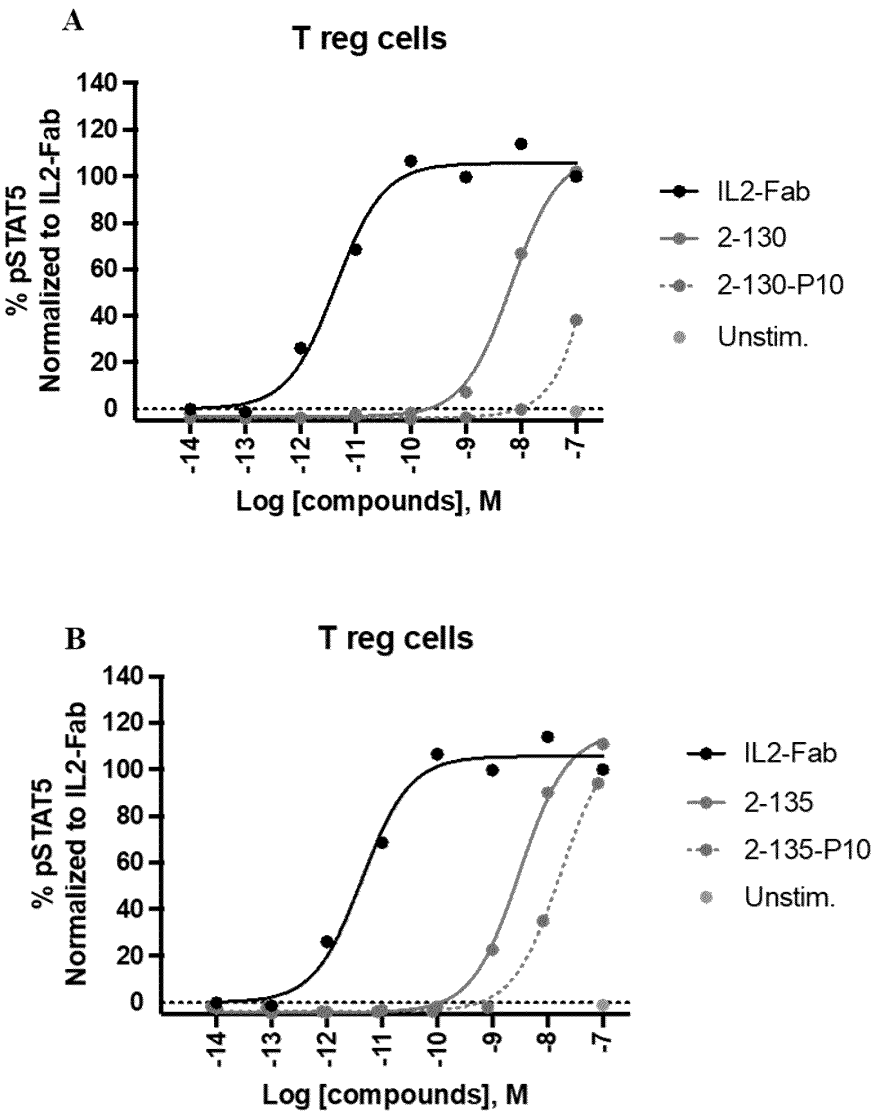


FIG. 12 (A-B)

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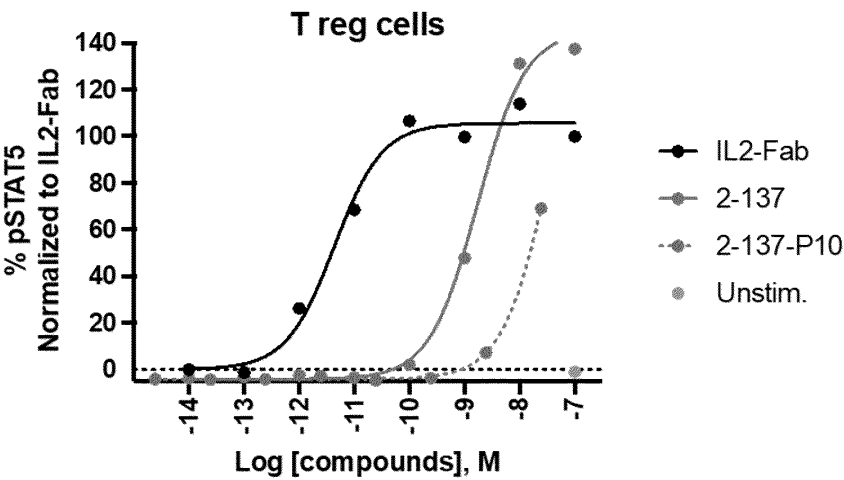


FIG. 12C

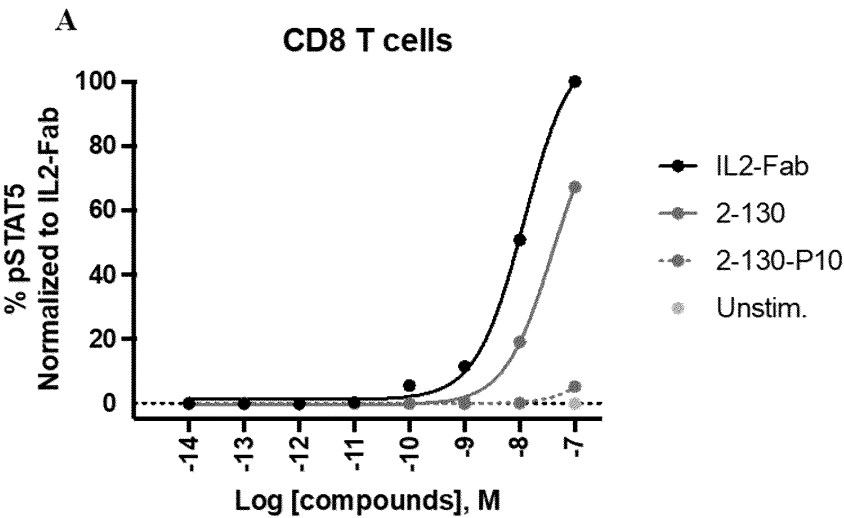


FIG. 13A

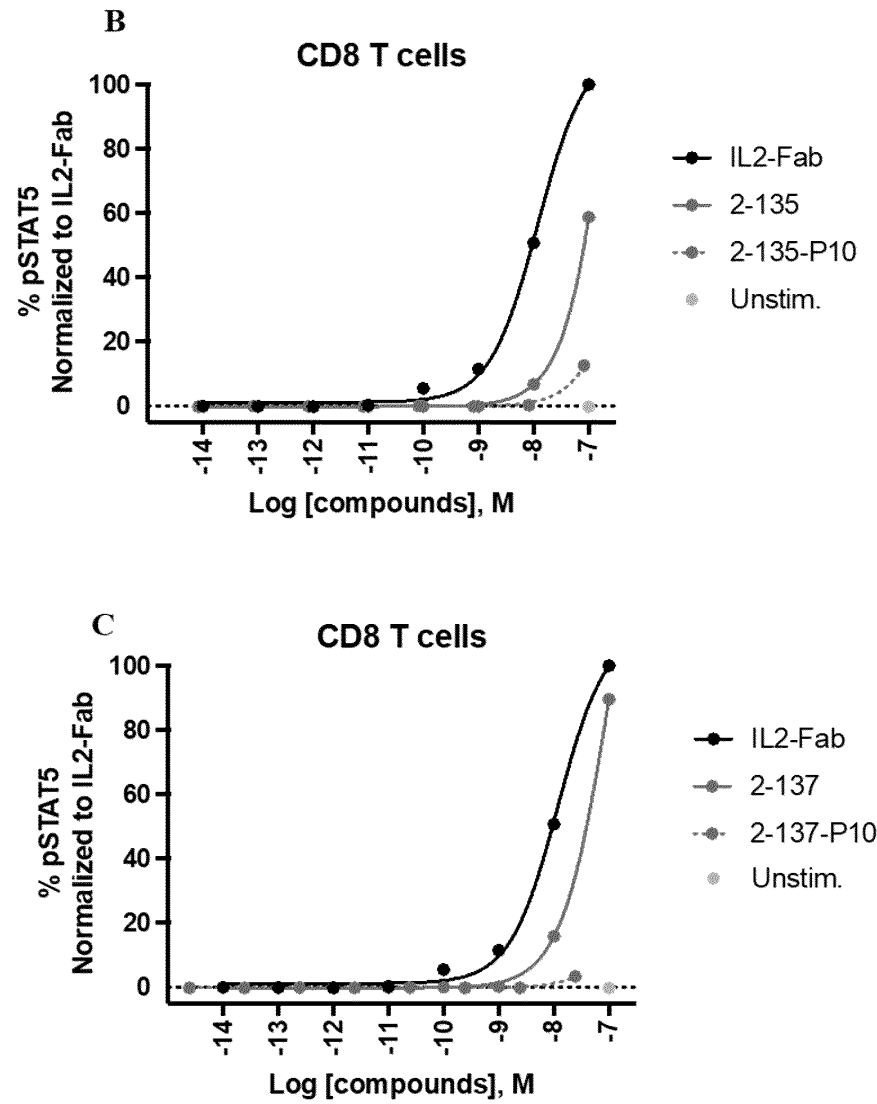


FIG. 13 (B-C)

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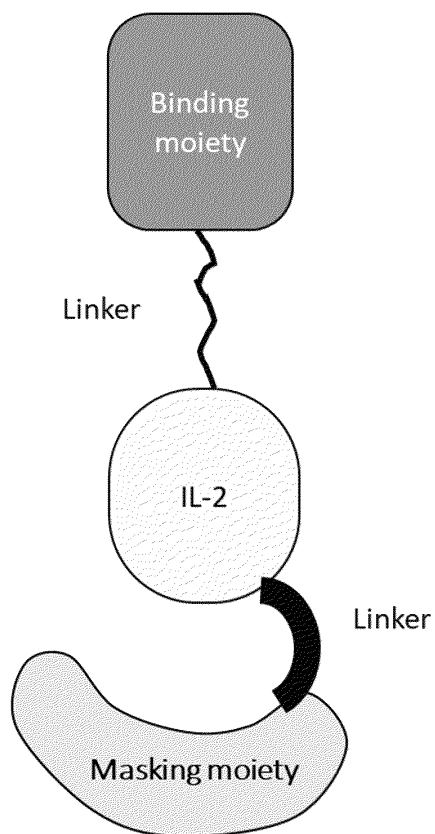


FIG. 14

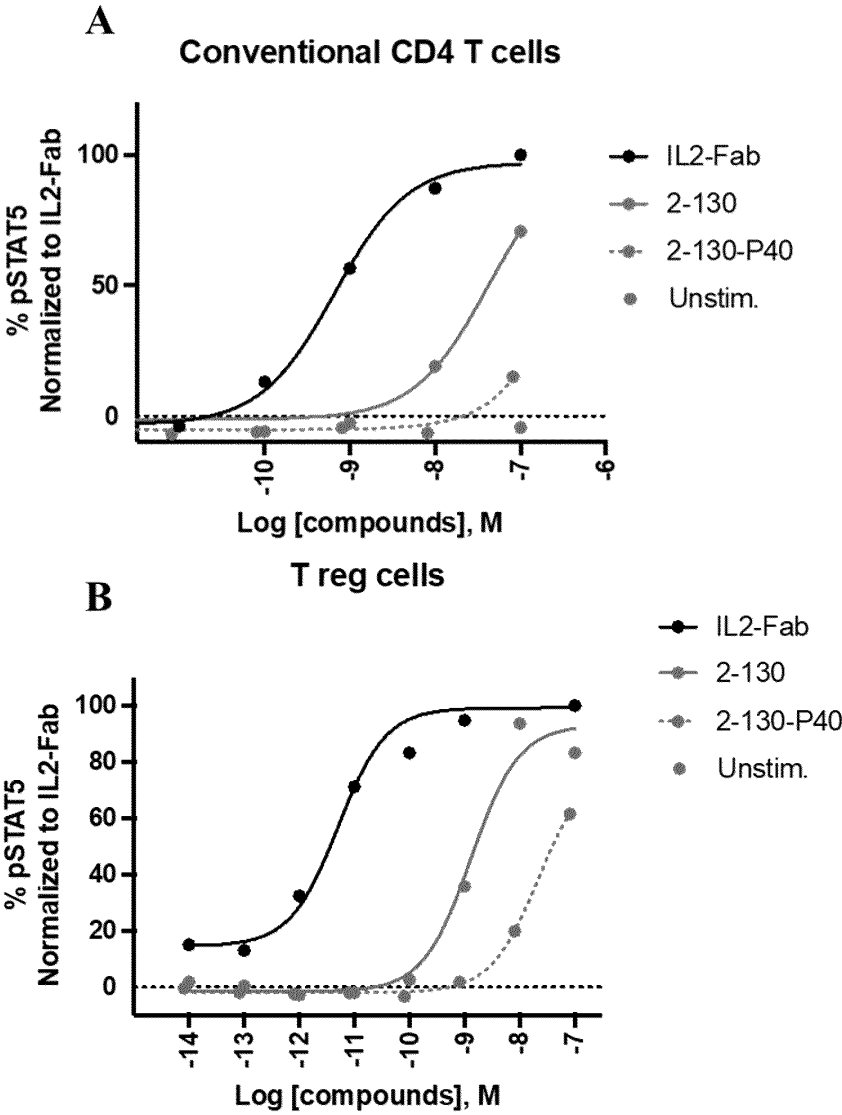


FIG. 15 (A-B)

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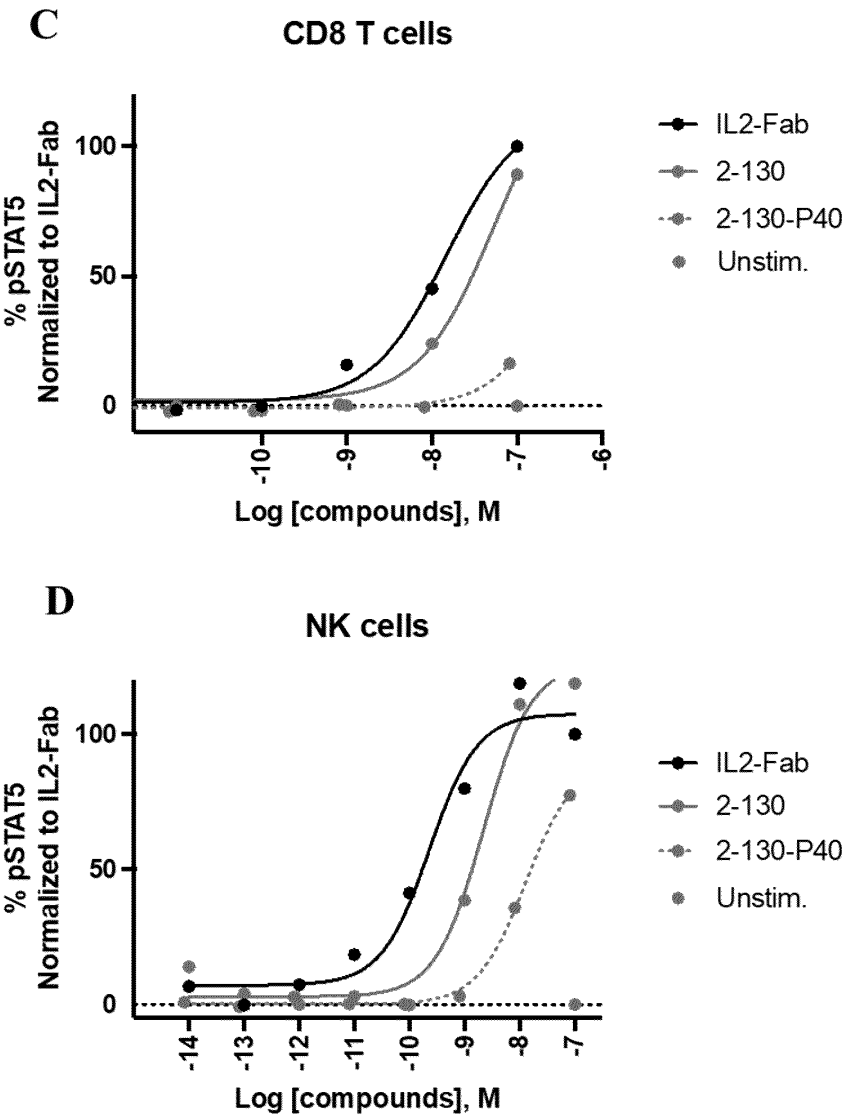


FIG. 15 (C-D)

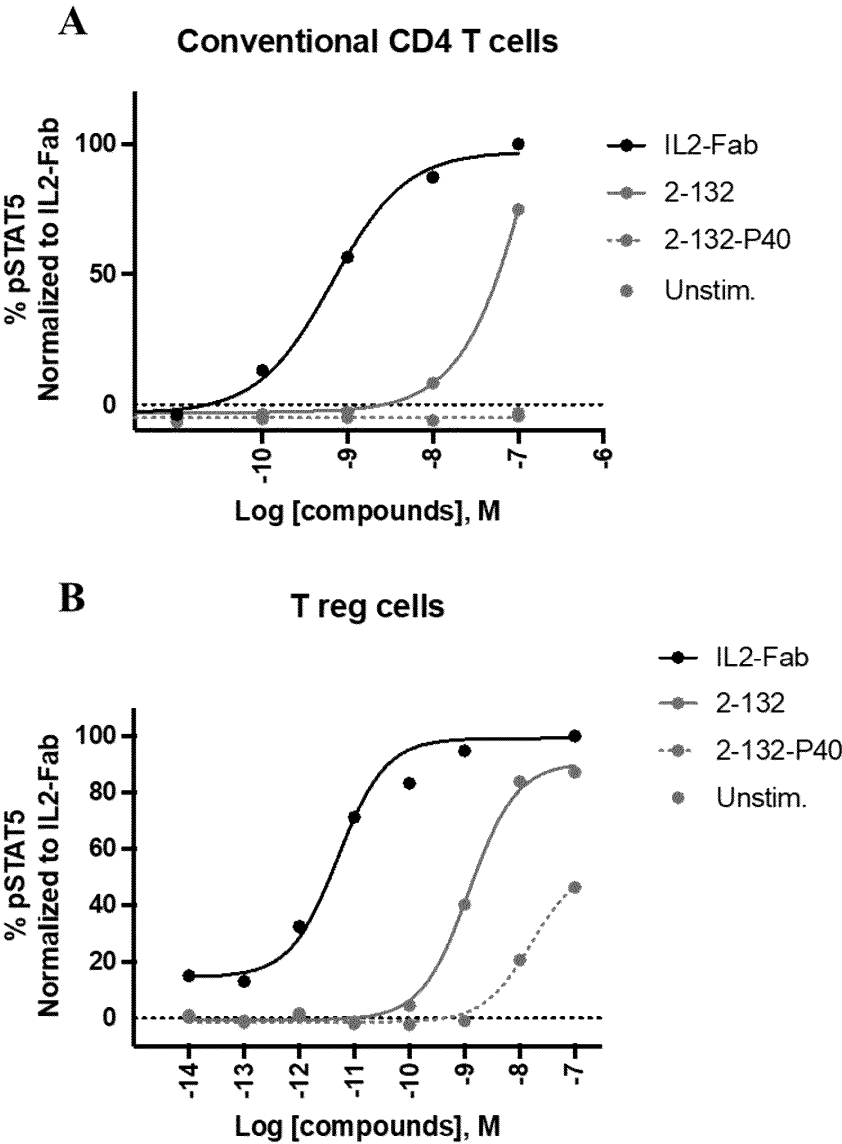


FIG. 16 (A-B)

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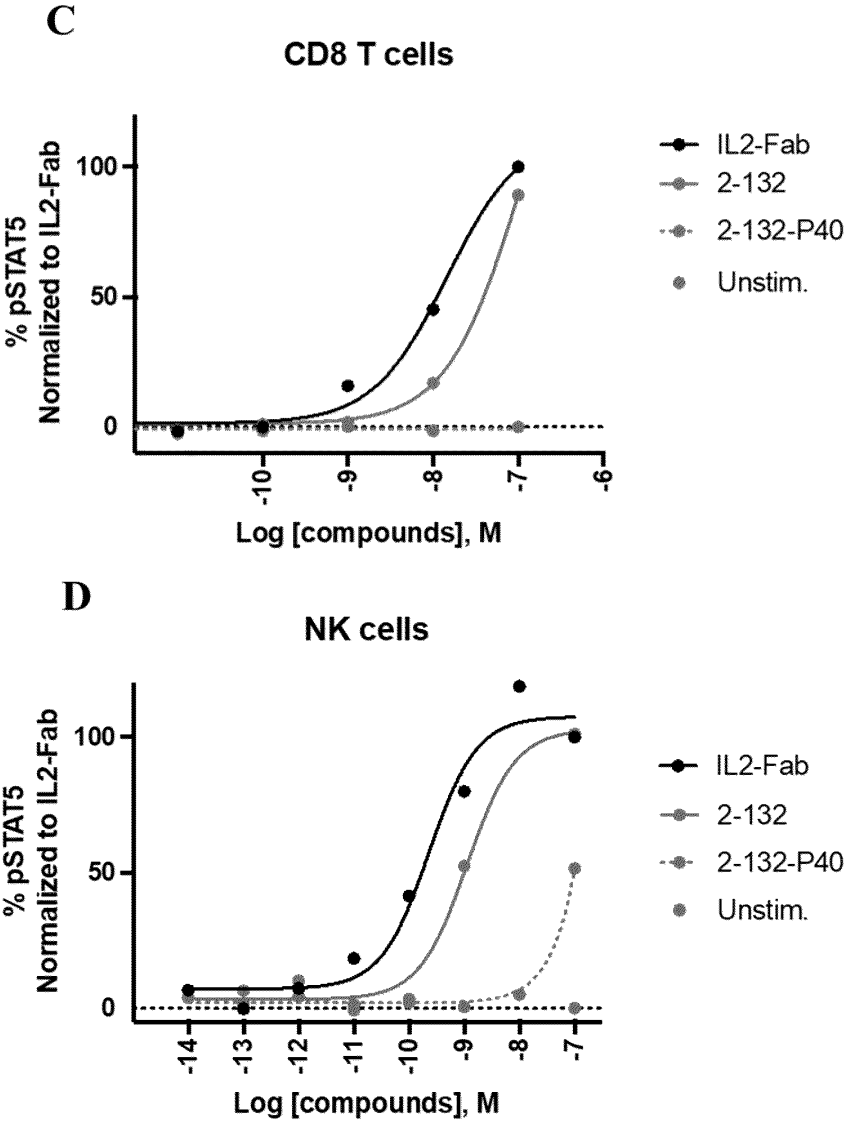


FIG. 16 (C-D)

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pSTAT5 expression on NK92

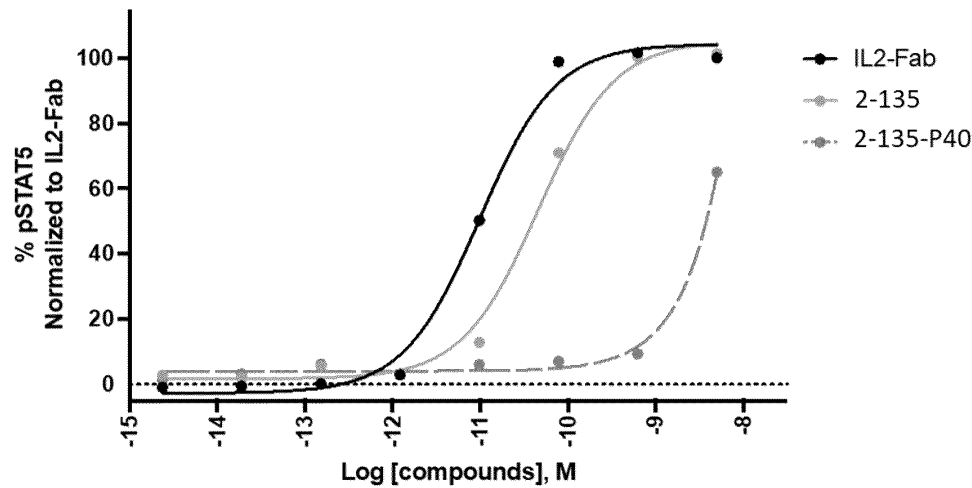


FIG. 17A

pSTAT5 expression on NK92

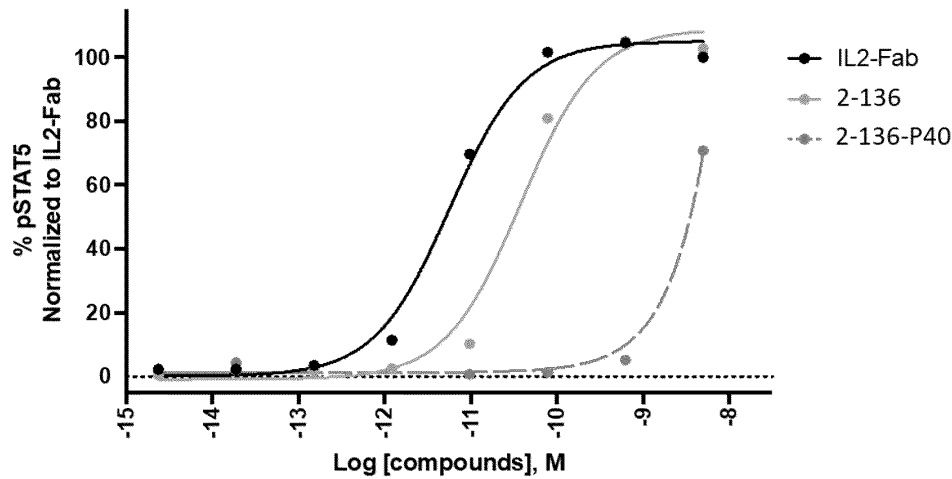


FIG. 17B

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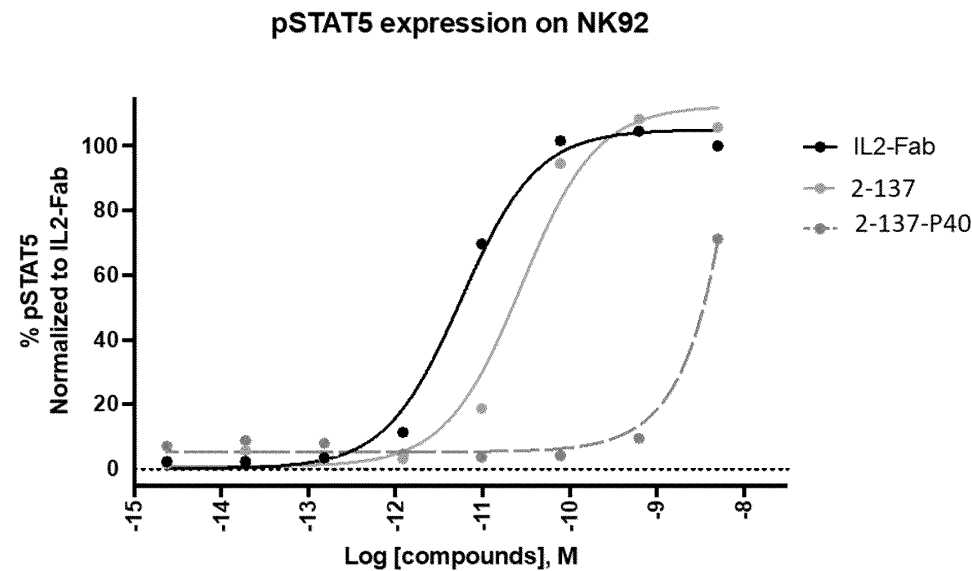


FIG. 17C

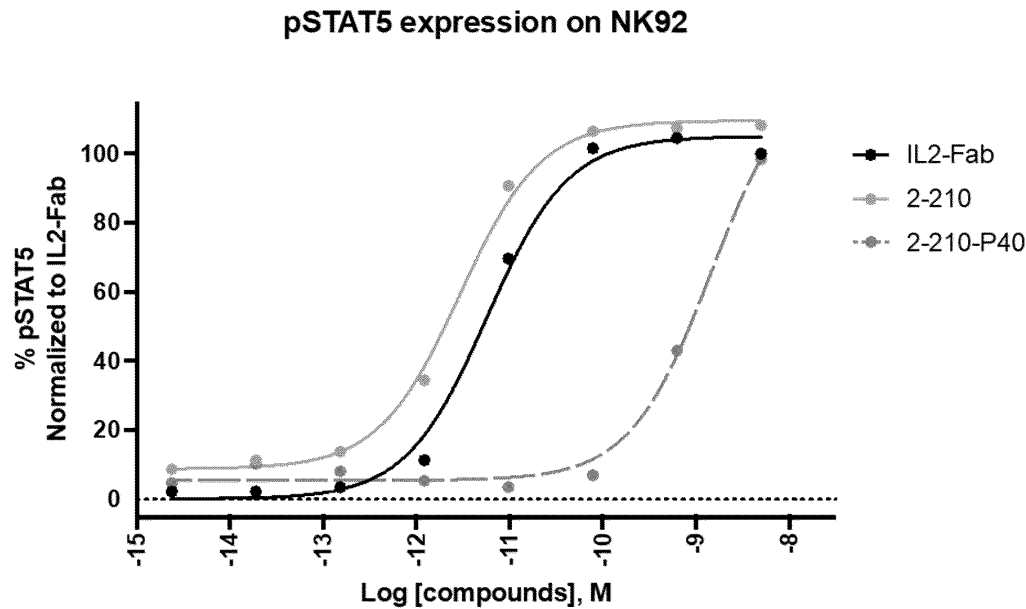


FIG. 18

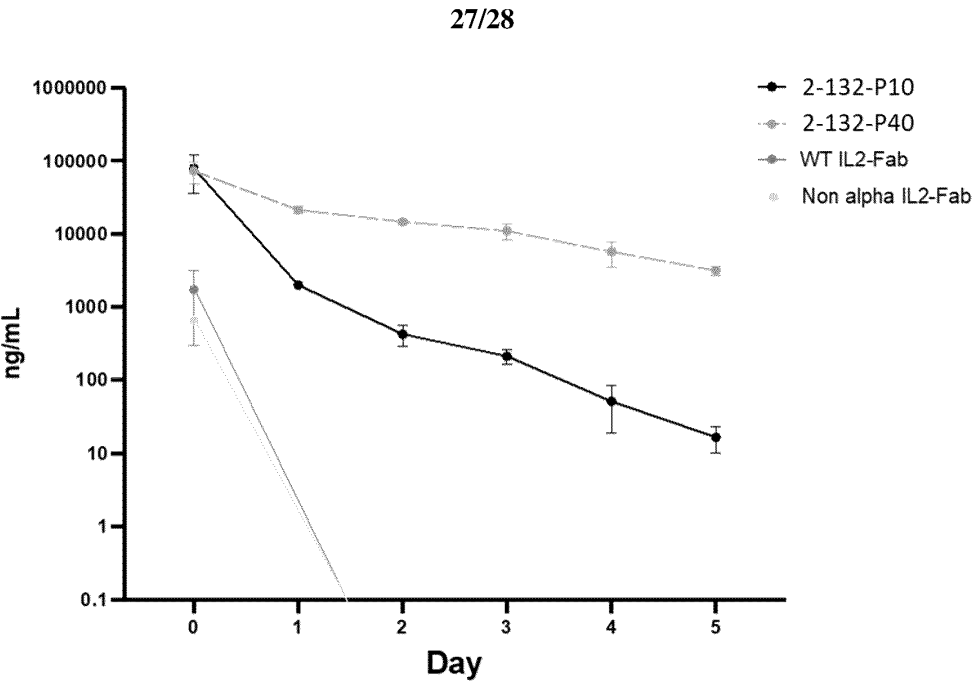


FIG. 19

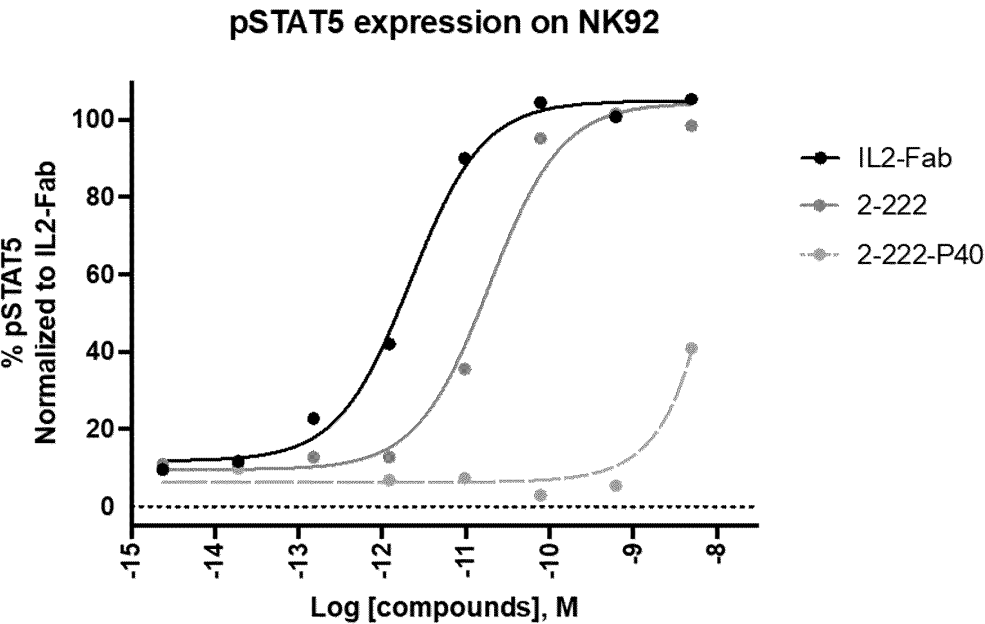


FIG. 20

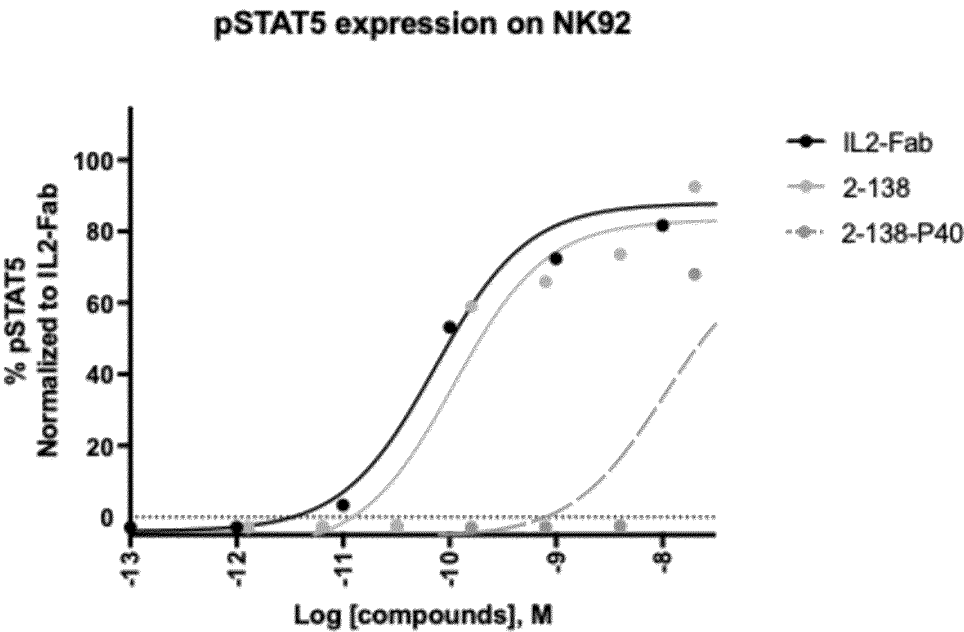


FIG. 21