

Table 1. Anti-BDCA2 antibody generation and selection

Family	mAbs	Isotype	IC50 (µg/mL) of IFN α Inhibition	EC50 of binding Human BDCA2- CHO (µg/mL)	EC50 of binding Cynomolgus BDCA2- CHO (µg/mL)	Octect affinity (nM)	Cross Block AC144	Reasons to Deprioritize
16A8	16A8	IgG1	0.003	0.15	0.26	7.5	yes	Binding to non transfected CHO
24F4	24F4	IgG1	0.008	0.34	0.65	14	yes	
	15F3	IgG1	0.01	0.36	0.71	1.5	yes	
	13H3	IgG1	0.012	0.44	0.78	6.3	yes	
50B10	50B10	IgG1	0.009	0.55	2.5	14	yes	Low binding to cynomolgus BDCA2
	41D12	IgG1	0.012	0.51	1.1	17	yes	
49H9	49H9	IgG1	0.03	1.4	1		yes	Lower potency
	47F9	IgG1	0.06	1.8	1	8	yes	
	25A11	IgG1	0.08	1.5	1.1	3.3	yes	
	31B3	IgG1	0.1	4	22	23	yes	
Control	6G6	IgG1	Modest Inhibition	0.22	no binding	9.1	no	
	2D6	IgG1	0.009		no binding		no	
	AC144 (myletnyi)	IgG1		0.66	11	77	yes	