CAP256-VRC26 bnAb characteristics and autologous free virus neutralization

Autologous free virus neutralization, IC50 [µg/ml] [1]

			PI-like viruses							SU-like viruses								PI/SU recombinant viruses		
bnAbs	**Heterologous breadth [%][1]**	**AA mutations heavy chain from UCA [%][2]**	**6-wk^{PI}**	**23-wk.16^{PI}**	**30-wk.8^{PI}**	**34-wk.18^{PI}**	**42-wk.16^{PI}**	**48-wk.17^{PI}**	**176-wk.C2^{PI}**	**15-wk^{SU}**	**34-wk.31^{SU}**	**34-wk.77^{SU}**	**34-wk.81^{SU}**	**42-wk.5^{SU}**	**42-wk.18^{SU}**	**42-wk.24^{SU}**	**48-wk.8^{SU}**	**176-wk.F1**	**176-wk.4**	**Autologous breadth [%][3]**
VRC26.12	7	25.7		1.6360	0.6430	0.5243	9.0680			0.0310		0.0087	0.0077			0.0124				44
VRC26.07	13	25.3			1.6050					0.0027	0.2090	0.0027	0.0020	0.3101	1.4600	0.0026	0.5799			50
VRC26.21	13	32.2			6.1170					0.0009	0.0079	0.0016	0.0012	0.0042	0.0098	0.0004	0.0036			50
VRC26.06	17	22.9	0.0021	0.0031	0.0145	0.0013	0.0801	7.4980		0.0212	0.0148	0.0029	0.0140	4.4880	2.7980	0.0240	0.0243			78
VRC26.01	20	20.8								0.0599		0.0121	0.0389			2.3420				22
VRC26.31	20	29.5								0.0037	0.1386	0.0010	0.0065	0.2525	2.1160	0.0012	0.3417			44
VRC26.05	22	23.4								0.0066	0.1117	0.0008	0.0057	0.0952	1.9920	0.0019	0.4459			44
VRC26.10	24	27.8	7.5180							0.0066	0.3123	0.0093	0.0262	0.5619	2.8350	0.0054	0.7466			50
VRC26.17	28	22.9								0.0012	0.0106	0.0017	0.0042	0.0963	0.0433	0.0010	0.0193			44
VRC26.08	46	28.8			6.3880					0.0009	0.0045	0.0031	0.0003	0.0267	0.0341	0.0009	0.0620			50
VRC26.09	46	22.9			5.0370					0.0009	0.0024	0.0009	0.0011	0.0098	0.0466	0.0010	0.0794			50
VRC26.25	63	22.8	1.9470	0.4936	0.0006	0.1081	0.4405	0.2644		0.0012	0.0017	0.0004	0.0009	0.0043	0.0050	0.0004	0.0019			78

[1] IC_{50} obtained from autologous free virus neutralization assays on A3.01-CCR5 target cells.

[2] Data for heterologous breadth and amino acid mutations in the heavy chain from the unmutated common ancestor as published in Doria-Rose et al, 2015.

[3] The autologous breadth is based on the neutralization of the autologous viruses listed in this table.

IC50 [µg/ml] <0.01 >0.01, <1 >1 Not sensitive