

Supplementary Table 1: Origin and specificity of mAbs and inhibitors

Inhibitor	Drug class	Target	Epitope (HxB2) / Binding site	MW	Reference	Source
CD4-IgG2	tetrameric CD4 molecule	gp120	CD4bs	175 kDa	Allaway et al.1995 <i>AIDS Res Hum Retroviruses</i> .11(5):533-9.	W.Olson, Progenics
CD4M47	miniprotein mimetic	gp120	CD4bs	3 kDa	Stricher et al. 2008 <i>J Mol Biol</i> , 2008. 382(2): 510-24	J.Robinson
VRC01	Antibody	gp120	CD4bs	150 kDa	Wu, Yang et al. 2010 <i>Science</i> .329(5993):856-61	J.Mascola
b12	Antibody	gp120	CD4bs	150 kDa	Barbas et al. 1992 <i>PNAS</i> .89(19):9339-43	D.Burton
1F7	Antibody	gp120	CD4bs	150 kDa	Buchacher et al.1994 <i>AIDS Res Hum Retroviruses</i> .10(4):359-69 Kunert et al.1998 <i>AIDS Res Hum Retroviruses</i> . 14(13):1115-28	H.Katinger, Polymun
2G12	Antibody	gp120	carbohydrate	150 kDa	Trkola et al.1996 <i>J Virol</i> .70(2):1100-8	H.Katinger, Polymun
447-52D	Antibody	gp120	V3 (312-315)	150 kDa	Gorny et al.1992 <i>J Virol</i> .66(12):7538-42	S. Zolla-Pazner, NIH ARRRP
1-79	Antibody	gp121	V3 (312-315)	151 kDa	Scheid et al. 2009. <i>Nature</i> . 458:636–640.	M. Nussenzweig
2F5	Antibody	gp41	MPER (662-667)	150 kDa	Muster et al.1993 <i>J Virol</i> .67(11):6642-7	H.Katinger, Polymun
4E10	Antibody	gp41	MPER (671-676)	150 kDa	Stiegler et al. 2001 <i>AIDS Res Hum Retroviruses</i> . 10;17(18):1757-65 Zwick et al. 2001 <i>J Virol</i> .75(22):10892-905	H.Katinger, Polymun
T-20 (Fuzeon)	Peptide, fusion inhibitor	gp41	Fusion peptide	4.5 kDa	Wild et al.1993 <i>AIDS Res Hum Retroviruses</i> . 9(11):1051-3	Purchased from Roche Pharmaceuticals
DARPin 57.2	Designed Ankyrin Repeat Protein	CD4	CD4 domain 1	18 kDa	Schweizer, Rusert et al. 2008 <i>PLoS Pathog</i> . 4(7):e1000109	A.Trkola
OKT4a	Antibody	CD4	CD4 domain 1	150 kDa	Nicholson et al.1986 <i>The Journal of Immunology</i> . 137(1): 323-329.	Orthomune
13B8.2	Antibody	CD4	CD4 domain 1	150 kDa	Benkirane et al.1993. <i>EMBO J</i> . 242(1): 233-237.	Q. Sattentau
AD101 (SCH-350581)	Small molecule inhibitor	CCR5	Transmembrane region of CCR5	0.5 kDa	Strizki, Xu et al. 2001 <i>PNAS</i> . 98(22):12718-23	J.Stritzki, Schering Plough
Maraviroc	Small molecule inhibitor	CCR5	Transmembrane region of CCR5	0.5 kDa	Dorr, Westby et al. 2005 <i>Antimicrob Agents Chemother</i> . 49(11):4721-32	Purchased from Pfizer
PRO 140	Antibody	CCR5	Nt and ECL2 domains	150 kDa	Olson, Rabut et al. 1999 <i>J Virol</i> .73(5):4145-55	W.Olson, Progenics
PSC-RANTES	Chemokine derivative	CCR5	ECL2	8 kDa	Hartley, Gaertner et al. 2004 <i>PNAS</i> .101(47)16460-16465	O.Hartley