

Table 4: **Protease**

HIV Monoclonal Antibodies

MAb ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
139 8G5	Pro(38-45 HXB2) Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Croix et al.(1993)] NOTES: • 8G5: Binds to MSLPGRWKPKM with slightly higher affinity [Croix et al.(1993)]	RT(94-101)	LPGRWKPK	N	rec Protease	hamster(IgG)
140 13E1	Pro(38-45 HXB2) Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Croix et al.(1993)] NOTES: • 13E1: Binds to MSLPGRWKPKM with slightly higher affinity [Croix et al.(1993)]	RT(94-101)	LPGRWKPK	N	rec Protease	hamster(IgG)
141 8B11	Pro(38-45 HXB2) Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Croix et al.(1993)] NOTES: • 8B11: Binds to MSLPGRWKPKM with slightly higher affinity [Croix et al.(1993)]	RT(94-101))	LPGRWKPK	N	rec Protease	hamster(IgG)
142 8C10	Pro(38-45 HXB2) Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Croix et al.(1993)] NOTES: • 8C10: Binds to MSLPGRWKPKM with slightly higher affinity [Croix et al.(1993)]	RT(94-101)	LPGRWKPK	N	rec Protease	hamster(IgG)
143 10E7	Pro(38-45 HXB2?) Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Croix et al.(1993)] NOTES: • 10E7: Immunodominant region of protease in Armenian hamster (but only weakly reactive in people, see: [Bjorling et al.(1992)]) – peptide MSLPGRWKPK blocks protease binding [Croix et al.(1993)]	RT(92-102)	MSLPGRWKPKM	N	rec Protease	hamster(IgG)
144 F11.2.32	Pro(36-46 BH10) Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Lescar et al.(1996), Lescar et al.(1997)] NOTES: • F11.2.32: Binding leads to significant inhibition in proteolytic activity – crystal structure of Fab-peptide was determined to 2.2 Å resolution – bound peptide shows no structural similarity to the corresponding segment in native protease suggesting binding may distort protein structure [Lescar et al.(1997)]	RT(92-102)	MSLPGRWKPKM		rec BH10 Protease	murine(IgG _{1_h})