Table 2: **p7**

MAb ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
120 i5B11	p7(5-14) p7(5-14) NFRNQRKIVK N I Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Otake et al.(1994), Tanchou et al.(1994), Tanchou et al.(1995)] NOTES: • i5B11: i5B11 and 15B11 may be two names for the same MAb • i5B11: Epitope mapped by ELISA and BIAcore – inhibits NCp7 primer tRNA binding [Tan • i5B11: MAb reacts with NCp7, NCp15, and partially inhibits NCp7-tRNA interaction [Tan	p7(5-14) athy Wehrly, Ro), Tanchou et al nay be two nar r ELISA and BI Cp7, NCp15, a	p7(5-14) p7(5-14) NFRNQRKIVK N purified NCp7 nor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana erences: [Otake et al.(1994), Tanchou et al.(1994), Tanchou et al.(1995)] TES: i5B11: i5B11 and 15B11 may be two names for the same MAb i5B11: Epitope mapped by ELISA and BIAcore – inhibits NCp7 primer tRNA binding [Tanchou et al.(1994)] i5B11: MAb reacts with NCp7, NCp15, and partially inhibits NCp7-tRNA interaction [Tanchou et al.(1995)]	N lamilton, Montar tRNA binding [T	purified NCp7 tana [Tanchou et al.(1994)] [Tanchou et al.(1995)]	$\operatorname{rat}(\operatorname{IgG}_{2a})$
121 НН3	p7(52-67) p7(52-67) RQANFLGKIWPSYKGR N pOnor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Tanchou et al.(1994), Tanchou et al.(1995)] NOTES: • HH3: Epitopes mapped by ELISA and BIAcore – does not inhibit NCp7 primer tRNA bindir • HH3: Binds proximal to the second zinc-finger [Tanchou et al.(1995)]	p7(52-67) athy Wehrly, Ro 194), Tanchou e 194), ELISA and BIA 194	p7(52-67) PQANFLGKIWPSYKGR N nor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Mc erences: [Tanchou et al.(1994), Tanchou et al.(1995)] TES: HH3: Epitopes mapped by ELISA and BIAcore – does not inhibit NCp7 primer tRNA HH3: Binds proximal to the second zinc-finger [Tanchou et al.(1995)]	N Iamilton, Montar vrimer tRNA bind	purified NCp7 ntana binding [Tanchou et al.(1994)]	$\operatorname{murine}(\operatorname{IgG}_{2b})$
122 EB5	p7(52-67) p7(52-67) RQANFLGKIWPSYKGR pOnor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Tanchou et al.(1995)] NOTES:	p7(52-67) athy Wehrly, Ro 195)]	RQANFLGKIWPSYKGR ocky Mountain Laboratories, F	Iamilton, Montar	purified NCp7 .a	murine
	• EB5: Binds proximal to the secon reactivity [Tanchou et al.(1995)]	e second zinc-fi 995)]	EB5: Binds proximal to the second zinc-finger – mutation at position 59 (Lys to Ser) reactivity [Tanchou et al.(1995)]		results in 10-fold reduction in	in in
123 DG8	p7(52-67) p7(52-67) RQANFLGKIWPSYKGR ponor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Tanchou et al.(1995)] NOTES:	p7(52-67) athy Wehrly, Ro 95)]	p7(52-67) p7(52-67) RQANFLGKIWPSYKGR purified NCp onor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana eferences: [Tanchou et al.(1995)] OTES: DOG: Binds movimal to the good sine fines: inhibits NCs7 tDNA interaction [Tanchou et al.(1995)]	familton, Montar	purified NCp7	murine
124 FC12	p7(64-72) p7(64-72) YKGRPGNFL N p700000000000000000000000000000000000	p7(64-72) athy Wehrly, Ro	YKGRPGNFL ocky Mountain Laboratories, F	N Iamilton, Montar	purified NCp7	murine(IgG)
	• FC12: Binds at C term of N	NCp7, reacts wi	FC12: Binds at C term of NCp7, reacts with NCp15, inhibits NCp7-tRNA interaction		[Tanchou et al.(1995)]	

HIV Monoclonal Antibodies

MAb ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
125 JF11	p7(64-72) p7(64-72) p7(64-72) Ponor: Bruce Chesebro and Kathy Wehrly, Rocky Mounta References: [Tanchou et al.(1994), Tanchou et al.(1995)] NOTES: JF11: Epitopes mapped by ELISA and BIAcore – does JF11: Binds at C term of NCp7 [Tanchou et al.(1995)]	p7(64-72) Kathy Wehrly, Ro 994), Tanchou et VELISA and BIA NCp7 [Tanchou	p7(64-72) p7(64-72) YKGRPGNFL N I Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Tanchou et al.(1994), Tanchou et al.(1995)] NOTES: • JF11: Epitopes mapped by ELISA and BIAcore – does not inhibit NCp7 primer tRNA bindir • JF11: Binds at C term of NCp7 [Tanchou et al.(1995)]	N lamilton, Montar rimer tRNA binc	purified NCp7 ontana , binding [Tanchou et al.(1994)]	murine($(\lg G_1)$)
126 GE4	p7(64-72) p7(64-72) YKGRPGN Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mounta References: [Tanchou et al.(1995)] NOTES: • GE4: Binds at C term of NCp7 [Tanchou et al.(1995)]	p7(64-72) Kathy Wehrly, Ro 995)] NCp7 [Tanchou o	p7(64-72) p7(64-72) YKGRPGNFL N p7(64-72) YKGRPGNFL N p7(64-72) YKGRPGNFL N p7(64-72) Nontana References: [Tanchou et al.(1995)] • GE4: Binds at C term of NCp7 [Tanchou et al.(1995)]	N (amilton, Montar	purified NCp7	murine(IgG)
127 AD2	p7(64-72) p7(64-72) p7(64-72) YKGRPGN Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mounta References: [Tanchou et al.(1995)] NOTES: AD2: Binds at C term of NCp7 [Tanchou et al.(1995)]	p7(64-72) Kathy Wehrly, Ro 995)] NCp7 [Tanchou	p7(64-72) p7(64-72) YKGRPGNFL N p7(64-72) PKGRPGNFL N p7(64-72) YKGRPGNFL N p7(64-72) NOTES: • AD2: Binds at C term of NCp7 [Tanchou et al.(1995)]	N (amilton, Montar	purified NCp7	murine(IgG)
128 EC3	p7(64-72) p7(64-72) YKGRPGI Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mount References: [Tanchou et al.(1995)] NOTES: • EC3: Binds at C term of NCp7 [Tanchou et al.(1995)]	p7(64-72) Kathy Wehrly, Ro 995)] NCp7 [Tanchou o	p7(64-72) p7(64-72) YKGRPGNFL N IDonor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Tanchou et al.(1995)] NOTES: EC3: Binds at C term of NCp7 [Tanchou et al.(1995)]	N (amilton, Montar	purified NCp7	murine(IgG)
129 CA5	p7(64-72) p7(64-72) YKGRPGN Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mounta References: [Tanchou et al.(1995)] NOTES: CA5: Binds at C term of NCp7 [Tanchou et al.(1995)]	p7(64-72) Kathy Wehrly, Ro 995)] NCp7 [Tanchou	p7(64-72) p7(64-72) YKGRPGNFL N p7(64-72) PKGRPGNFL N p7(64-72) YKGRPGNFL N p7(64-72) NOTES: • CA5: Binds at C term of NCp7 [Tanchou et al.(1995)]	N (amilton, Montar	purified NCp7	murine(IgG)
130 DF3	p7(64-72) p7(64-72) YKGRPGN Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mounta References: [Tanchou et al.(1995)] NOTES: DF3: Binds at C term of NCp7 [Tanchou et al.(1995)]	p7(64-72) (athy Wehrly, Ro 995)]	p7(64-72) p7(64-72) YKGRPGNFL N p7(64-72) YKGRPGNFL N p7(64-72) YKGRPGNFL N p7(64-72) Nontain Laboratories, Hamilton, Montana References: [Tanchou et al.(1995)] • DF3: Binds at C term of NCp7 [Tanchou et al.(1995)]	N (amilton, Montar	purified NCp7	murine(IgG)

MAb ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
131 JB7	p7(64-72) p7(64-72) YKGRPG Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mount References: [Tanchou et al.(1995)] NOTES: JB7: Binds at C term of NCp7 [Tanchou et al.(1995)]	p7(64-72) Kathy Wehrly, R .995)] VCp7 [Tanchou	p7(64-72) p7(64-72) YKGRPGNFL N IDonor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Tanchou et al.(1995)] NOTES: • JB7: Binds at C term of NCp7 [Tanchou et al.(1995)]	N Hamilton, Montai	purified NCp7 1a	murine(IgG)
132 ED8	p7(dis) Donor: Bruce Chesebro and Kathy References: [Tanchou et al.(1995)] NOTES: • ED8: Binds NCp7 independent	p7(dis) Kathy Wehrly, R 995)]	p7(dis) p7(dis) DISCONTINUOUS N Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, M References: [Tanchou et al.(1995)] NOTES: • ED8: Binds NCp7 independent of Zn fingers, does not react with NCp15 [Tanchou	N F Hamilton, Montana 5 [Tanchou et al.(19	purified NCp7 Iontana et al.(1995)]	murine(IgG)
133 AC2	p7(dis) p7 p7 p7 p7 p7 p7 p7 p7 p8 p8	p7(dis) Kathy Wehrly, R 995)]	p7(dis) p7(dis) NDISCONTINUOUS N Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, M References: [Tanchou et al.(1995)] NOTES: • AC2: Binds NCp7 independent of Zn fingers, does not react with NCp15 [Tanchou	N I Hamilton, Montana 5 [Tanchou et al.(19	purified NCp7 Iontana et al.(1995)]	murine(IgG)
134 CD9	p7(dis) Donor: Bruce Chesebro and Kathy References: [Tanchou et al.(1995)] NOTES: CD9: Binds NCp7 independent	p7(dis) Kathy Wehrly, R 995)] endent of Zn fin	p7(dis) p7(dis) DISCONTINUOUS N p7(dis) DISCONTINUOUS N p7(dis) Donor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Tanchou et al.(1995)] NOTES: • CD9: Binds NCp7 independent of Zn fingers, does not react with NCp15 [Tanchou et al.(1995)]	N Hamilton, Montaı 5 [Tanchou et al.(purified NCp7 Iontana et al.(1995)]	murine(IgG)
135 BE10	p7(dis) p7 Donor: Bruce Chesebro and Kathy References: [Tanchou et al.(1995)] NOTES: • BE10: Binding NCp7 requires et al.(1995)]	p7(dis) Kathy Wehrly, R 995)] quires Zn finger	p7(dis) p7(dis) p7(dis) DISCONTINUOUS N purified NCp7 pronor: Bruce Chesebro and Kathy Wehrly, Rocky Mountain Laboratories, Hamilton, Montana References: [Tanchou et al.(1995)] NOTES: BE10: Binding NCp7 requires Zn fingers, does not react with NCp15, inhibits NCp7-tRNA interaction [Tanchou et al.(1995)]	N F Hamilton, Montana inhibits NCp7-tRN	purified NCp7	murine(IgG)