

Table 6: **Tat**

MAb ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
200 1.2	Tat(1-16) Donor: ? References: [Ovod et al.(1992), Ranki et al.(1995)] NOTES: • 1.2: Weak expression of Tat observed in HIV+ brain tissue sample, in contrast to Nef [Ranki et al.(1995)]	Tat(2-17)	EPVDPRL ^{EWKHPGSQ} ?			
201 ID9D5	Tat(1-20 N-term) Donor: ? References: [Mhashilkar et al.(1995), Valvatne et al.(1996)] NOTES: • ID9D5: Single chain antibodies (“intrabodies”) were engineered that can be stably expressed in the cytoplasm of mammalian cells – co-expression of an N-term “intrabody” can inhibit transactivation of an HIV LTR-CAT construct and block import into nucleus, but “intrabody” specific for exon 2 did not inhibit activity [Mhashilkar et al.(1995)] • ID9D5: Exogenously delivered Tat can efficiently transactivate an HIV-LTR-CAT construct in HeLa cells in the presence of ID9D5, suggesting when considered with the results of [Mhashilkar et al.(1995)], that free Tat and not Ab bound is taken up by cells [Valvatne et al.(1996)]	Tat(2-21)	EPVDPRL ^{EWKHPGSQPK} - TA		rec HIV-1 tat A	murine(IgG ₁)
202 NT3/2D1.1	Tat(2-15 N-term) Donor: ? References: [Dingwall et al.(1989)] NOTES: • NT3/2D1.1: Immunoprecipitates and immunoblots HIV-1 tat protein [Dingwall et al.(1989)] • NT3/2D1.1: UK Medical Research Council AIDS reagent: ARP352	Tat(2-15)	EPVDPRL ^{EPWNHPS}		Peptide tat(2-15)	murine(IgG ₁ <i>a</i>)
203 ID2F11	Tat(49-86 C-term) Donor: ? References: [Valvatne et al.(1996)] NOTES: • ID2F11: MAb did not bind shorter peptides – this MAb inhibited exogenously delivered Tat transactivation of an HIV-LTR-CAT construct in HeLa cells by inhibition of cellular uptake of Tat [Valvatne et al.(1996)]	Tat(?49-86)	RKKRRQR ^{RRPPQGSQT} - HQVSLSKQ ^{PTSQSRGDP} - TGPKE		full length purified rec tat A	murine(IgG ₁)

HIV Monoclonal Antibodies

MAb ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
204 4B4C4	Tat(49-86 C-term)	Tat(?49-86)	RKKRRQRRRPPQGSQT- HQVSLSKQPTSQSRGDP- TGPKE		full length purified rec tat A	murine(IgG ₁)
	Donor: ? References: [Valvatne et al.(1996), Jensen et al.(1997)] NOTES: • 4B4C4: Also called 4B4 • 4B4C4: Mab did not bind shorter peptides – this Mab inhibited exogenously delivered Tat transactivation of an HIV-LTR-CAT construct in HeLa cells by inhibition of cellular uptake of Tat [Valvatne et al.(1996)]					
205 2D9E7	Tat(49-86 C-term)	Tat(?49-86)	RKKRRQRRRPPQGSQT- HQVSLSKQPTSQSRGDP- TGPKE		full length purified rec tat A	murine(IgG ₁)
	Donor: ? References: [Valvatne et al.(1996)] NOTES: • 2D9E7: Mab did not bind shorter peptides – this Mab inhibited exogenously delivered Tat transactivation of an HIV-LTR-CAT construct in HeLa cells by inhibition of cellular uptake of Tat, but less efficiently than MAbs 1D2F11 or 4B4C4 [Valvatne et al.(1996)]					
206 5G7D8	Tat(49-86 C-term)	Tat(?49-86)	RKKRRQRRRPPQGSQT- HQVSLSKQPTSQSRGDP- TGPKE		full length purified rec tat A	murine(IgG ₁)
	Donor: ? References: [Valvatne et al.(1996)] NOTES: • 5G7D8: Mab did not bind shorter peptides – this Mab inhibited exogenously delivered Tat transactivation of an HIV-LTR-CAT construct in HeLa cells by inhibition of cellular uptake of Tat, but less efficiently than 1D2F11 or 4B4C4 [Valvatne et al.(1996)]					
207 NT2/- 4D5.24	Tat(C-term 73-86)	Tat(73-86)	PTSQPRGDPTGPKE		Peptide Tat(73-86)	murine
	Donor: ? References: [Dingwall et al.(1989)] NOTES: • NT2/4D5.24: Immunoprecipitates and immunoblots HIV-1 tat protein [Dingwall et al.(1989)]					

HIV Monoclonal Antibodies

MAb ID	Location	WEAU	Sequence	Neutralizing	Immunogen	Species(Isotype)
208 2D9D5	Tat(C-term)	Tat			purified, recombinant HIV-1 Tat	murine(IgG)
<p>Donor: ?</p> <p>References: [Mhashilkar et al.(1995)]</p> <p>NOTES:</p> <ul style="list-style-type: none"> • 2D9D5: Single chain antibodies (“intrabodies”) were engineered that can be stably expressed in the cytoplasm of mammalian cells – co-expression of C-term “intrabody” did not inhibit transactivation of an HIV LTR-CAT construct, in contrast to MAb 1D9D5 [Mhashilkar et al.(1995)] 						
209 L-anti-Tat	Tat	Tat		L P (when lipidated)	rec Tat	murine(IgG1)
<p>Donor: AGMED, Inc., Bedford, MA USA</p> <p>References: [Cruikshank et al.(1997)]</p> <p>NOTES:</p> <ul style="list-style-type: none"> • L-anti-Tat: Lipidated antibody can be taken up by cells and effectively block IIB and primary virus HIV-1 replication in actively and latently infected cells [Cruikshank et al.(1997)] 						