

Table 10: **Tat**

MAB ID	HXB2 Location	Author's Location	Sequence	Neutralizing	Immunogen	Species(Isotype)
213 NT3/2D1.1	Tat(2–15)	Tat( )	EPVDPNLEPWNHPS		Peptide tat(2-15)	murine(IgG <sub>1</sub> a)
	<b>References:</b> [Dingwall (1989)] <ul style="list-style-type: none"> <li>• NT3/2D1.1: Immunoprecipitates and immunoblots HIV-1 tat protein –Dingwall89</li> <li>• NT3/2D1.1: UK Medical Research Council AIDS reagent: ARP352</li> </ul>					
214 1.2	Tat(2–17)	Tat(1–16)	EPVDPRLEWKHPGSQ			( )
	<b>References:</b> [Ovod (1992), Ranki (1995)] <ul style="list-style-type: none"> <li>• 1.2: Weak expression of Tat observed in HIV+ brain tissue sample, in contrast to Nef –Ranki95</li> </ul>					
215 1D9D5	Tat(2–21)	Tat( )	EPVDPRLEWKHPGSQPK-TA		rec HIV-1 tat A	murine(IgG <sub>1</sub> )
	<b>References:</b> [Mhashilkar (1995), Valvatne (1996)] <ul style="list-style-type: none"> <li>• 1D9D5: 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 –Mhashilkar95</li> <li>• 1D9D5: Exogenously delivered Tat can efficiently transactivate an HIV-LTR-CAT construct in HeLa cells in the presence of 1D9D5, suggesting when considered with the results of –Mhashilkar95, that free Tat and not Ab bound is taken up by cells –Valvatne96</li> </ul>					
216 NT2/4D5.24	Tat(73–86)	Tat( )	PTSQPRGDPTGPKE		Peptide Tat(73-86)	murine( )
	<b>References:</b> [Dingwall (1989)] <ul style="list-style-type: none"> <li>• NT2/4D5.24: Immunoprecipitates and immunoblots HIV-1 tat protein –Dingwall89</li> </ul>					
217 2D9D5	Tat( )	Tat(C-term)			purified, recombinant HIV-1 Tat	murine(IgG)
	<b>References:</b> [Mhashilkar (1995)] <ul style="list-style-type: none"> <li>• 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 –Mhashilkar95</li> </ul>					
218 L-anti-Tat	Tat( )	Tat( )		L P (when lipidated)	rec Tat	murine(IgG <sub>1</sub> )
	<b>Donor:</b> AGMED, Inc., Bedford, MA USA <b>References:</b> [Cruikshank (1997)] <ul style="list-style-type: none"> <li>• L-anti-Tat: Lipidated antibody can be taken up by cells and effectively block IIIB and primary virus HIV-1 replication in actively and latently infected cells –Cruikshank97</li> </ul>					