

Mouse mAb to HIV-1 Tat (clone N3)

Catalogue #	A2-825-100
Immunogen:	HIV-1 Tat
Immunogen Description:	Recombinant Tat protein of HIV-1 HXB2 (purified from <i>E. coli</i>)
Clonality:	Mouse monoclonal
Clone:	N3
Class:	IgM
Reactivity:	Reacts with HIV-1 Tat of the strains HXB2, BH10, IIB and HAN. Mapped to amino acids 47-58 (YGRKKRRQRRRA – B subtype a.a. consensus, Tat basic domain)
Application:	ELISA, WB, ChIP
Protocol:	Monoclonal antibody working titer has to be established practically for each particular antigen and assay format
ELISA:	5 µg/ml
Purification:	HiTrap IgM purification
Buffer:	PBS pH 7.4, with 0.1% sodium azide
Shipping:	This product is shipped in non-frozen liquid form in ambient conditions
Storage:	Store at -20...-70°C upon receipt. Divide antibody into aliquots prior usage. Avoid multiple freeze-thaw cycles
References	Jung HJ, Park Y, Hahm KS, Lee DG. 2006. Biological activity of Tat (47-58) peptide on human pathogenic fungi. <i>Biochem Biophys Res Commun.</i> 345: 222-8.

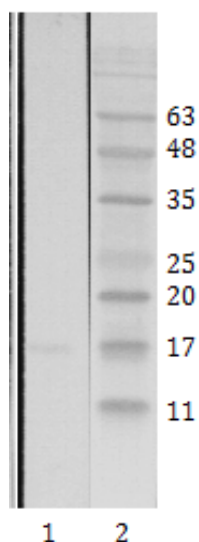


Figure 1: Western Blot testing of HIV-1 recombinant Tat protein. using HIV-1 Tat antibody (clone N3). Lane 1. Recombinant HIV-1 Tat (B subtype), 100 ng. Antibody concentration 2 µg/ml. Lane 2. Protein size marker.

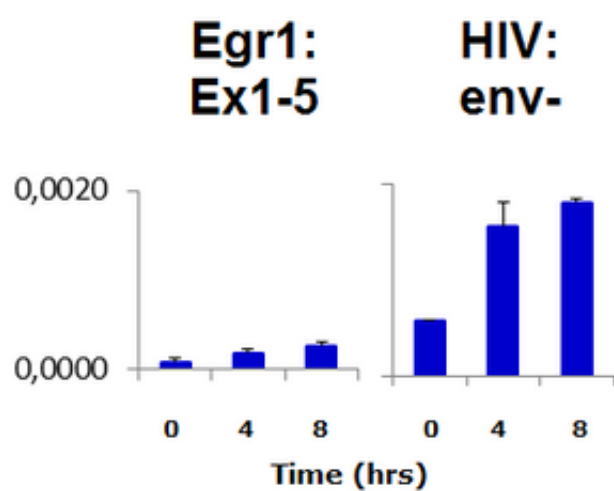


Figure 2. Matrix-ChIP analysis of HIV-1 Tat antibody (clone N3). Human 5A8 J-lat T lymphocytes culture was latently infected with HIV and treated with 10 ug/mL PHA.