



Mouse mAb to HIV-1 Tat (clone 1)

Catalogue #	A2-821-100
Immunogen:	HIV-1 Tat
Immunogen Description:	Recombinant Tat protein of HIV-1 HXB2 (purified from <i>E. coli</i>)
Clonality:	Mouse monoclonal
Clone:	1
Class:	mlgG2a
Reactivity:	Reacts with HIV-1 Tat of HXB2, IIIB, HAN strains. This antibody recognizes Tat protein consensus sequences of HIV-1 subtypes A(DPVDPNLE), B (EPVDPRL) and C (EPVDPNLE). Mapped to amino acids 2-9 EPVDPRL -B subtype a.a. consensus
Application:	ELISA, WB, IHC, RIP, ChIP
Protocol:	Monoclonal antibody working titer has to be established practically for each particular antigen and assay format
ELISA:	0,02-0,05 µg/ml
Purification:	Protein G 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	Ranki A., A. Lagerstedt, V. Ovod, E. Aavik, and K. Krohn 1994. Expression kinetics and subcellular localization of HIV-1 regulatory proteins Nef and Tat in established lymphoid cell lines. Arch. Virol., 139:365-378.

Ranki A., M. Nyberg, V. Ovod, M. Haltia, I. Elovaara, R. Raininko, H. Haapasalo, and K. Krohn 1995.

Abundant expression of HIV Nef and Rev proteins in brain astrocytes in vivo is associated with dementia. AIDS, 9:1001-1008.

Tähtinen, M., Ranki, A., Valle,S.L., Ovod, V., K. Krohn 1997.

B-cell epitopes in HIV-1 Tat and Rev proteins colocalize with T-cell epitopes and with functional domains. Biomed Pharmacother 51: 480-7.

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Kjerrström, A., J. Hinkula, G.Engström, V.Ovod, K.Krohn, R.Benthin and B.Wahren 2001.

Interactions of Single and Combined Human Immunodeficiency Virus Type 1 (HIV-1) DNA Vaccines. Virology 284(1): 46-61.

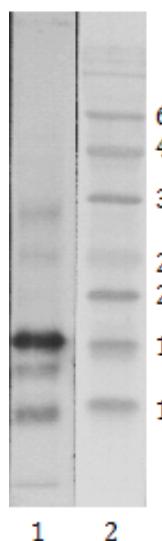


Figure 1. Western Blot testing of HIV-1 recombinant Tat protein. using HIV-1 Tat antibody (clone 1). Lane 1. Recombinant HIV-1 Tat (B subtype), 100 ng. Antibody concentration 2 μ g/ml Lane 2. Protein size marker.

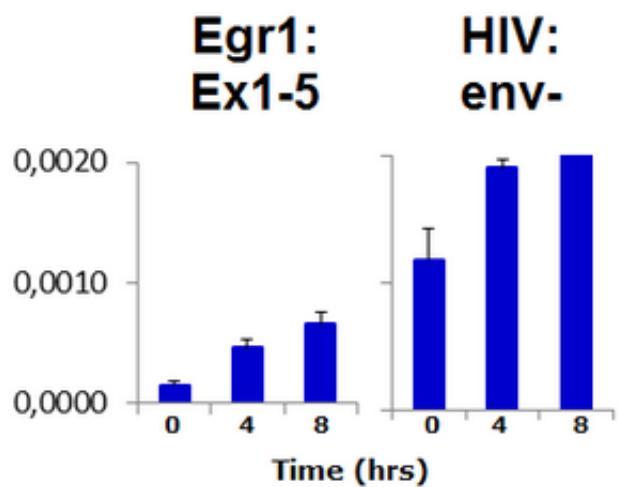


Figure 2. Matrix-ChIP analysis of HIV-1 Tat antibody (clone 1). Human 5A8 J-lat T lymphocytes culture was latently infected with HIV and treated with 10 μ g/mL PHA.