

Mouse mAb to HIV-1 Nef (clone 2F2)

Catalogue #	A2-803-100
Immunogen:	HIV-1 Nef
Immunogen Description:	Recombinant Nef protein of HIV-1 BRU (purified from <i>E. coli</i>)
Alternative Names:	3'ORF
Clonality:	Mouse monoclonal
Clone:	2F2
Class:	mIgG1
Reactivity:	Reacts with HIV-1 Nef subtypes B and C; BRU, and IIIB strains. Mapped to amino acids 150-158 (PDKVEEANK, HIV-1 BRU; PEKVEEANE – B subtype consensus)
Application:	ELISA, WB
Protocol:	Monoclonal antibody working titer has to be established practically for each particular antigen and assay format.
ELISA:	0,05-0,1 µg/ml
Purification:	Protein G purification
Buffer:	PBS pH 7.4, with 0.1% sodium azide
Related Products:	HIV-1 Nef monoclonal antibodies. For more information visit www.icosagen.com/products/?antibodies
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	Ovod V., Lagerstedt, A., Ranki, A., Gombert, F.O., Spohn, R., Tahtinen, M., Jung, G., Krohn K.J. 1992. Immunological variation and

immunohistochemical localization of HIV-1 Nef demonstrated with monoclonal antibodies. *AIDS*, 6:25-34.

Saito, Y., L. R. Sharer, L. G. Epstein, J. Michaels, M. Mintz, M. Louder, K. Golding, T. A. Cvetkovich, and B. M. Blumberg. 1994.
Overexpression of Nef as a marker for restricted HIV-1 infection of astrocytes in postmortem pediatric central nervous tissues. *Neurology* 44:474-481

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.

Collings, A., Pitkanen, J., Strengell, M., Tahtinen, M., Lagerstedt, A., Hakkarainen, K., Ovod, V., Sutter, G., Ustav, M., Ustav, E., Mannik, A., Ranki, A., Peterson, P., Krohn, K. 1999.
Humoral and cellular immune responses to HIV-1 nef in mice DNA-immunised with non-replicating or self-replicating expression vectors. *Vaccine*. 18(5- 6):460-7.

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.

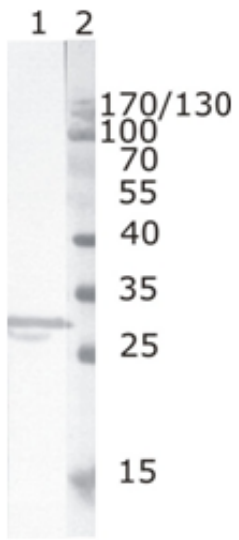


Figure 1: Western Blot testing of HIV-1 recombinant Nef protein. using HIV-1 Nef antibody, clone 2F2. Line 1. Recombinant HIV-1 Nef (B subtype) Line 2. Protein size marker.