

Anti-HIV-1 Nef antibody, guinea pig serum

Product code	65-017
Size	100 µl
Storage	Store 4°C for short term For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Concentration	N/A
Buffer	0.09% sodium azide
Purity	Guinea pig antiserum
Immunogen	Purified full-size recombinant Nef of HIV-1 group M, subtype B expressed in <i>E. coli</i>
Isotype	Guinea pig IgG
Reactivity	HIV-1 (LAI strain)
Special notes	N/A
Application	<ol style="list-style-type: none"> 1. Western blot (1/1,000~1/3,000) 2. Dot blot (1/3000) 3. Immunoprecipitation (assay dependent) 4. ELISA (assay dependent)
Background	<p>HIV-1 Nef (23.3 kDa) is one of the accessory proteins synthesized in the early stage of AIDS virus reproduction and is abundantly found in infected cells. The name derives from its negative factor thought at the beginning but presently it is remarked as the protein which bears a most distinctive biological characteristic of AIDS virus (1). The protein interacts directly with the signal transduction protein of the host T cell and works effectively on AIDS infection or on long term survival of the infected cells or induces apoptosis of non-infected cells (2). It is also involved in the endocytosis and degradation of cell surface receptor proteins such as CD4 and MH4 which are important for AIDS virus infection.</p>
Data Link	ProtKB: P03406 (NEF_HV1BR) GenBank: AAA44988.1
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 65-017 Anti-HIV-1 Nef antibody, guinea pig serum

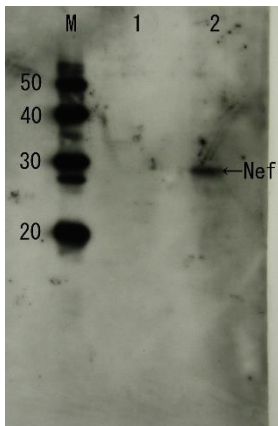


Fig.1 Detection of HIV-1 Nef by Western blotting.

Lane1: Extract of MT4 cells

Lane2: Extract of MT4 cells infected with HIV-1 (LAI strain)

The antiserum was diluted 1,000 fold before use.

Nef protein band is identified at 27 kDa position.

References

1. Arora VK *et al* "Nef: agent of cell subversion" *Microbes Infect* **4**: 189-199 (2002) Review PMID: [11880052](#)
2. Fackler OT and Baur AS "Live and let die: Nef functions beyond HIV replication" *Immunity* **16**:493-497 (2002) Review PMID: [11970873](#)