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Catalog No. 65-003

Anti-HIV-1 Reverse Transcriptase Antibody, Guinea Pig serum

HIV-1 reverse transcriptase is an RNA-dependent DNA polymerase of HIV-1(AIDS virus), subtype B origin (1). It also has RNaseH activity and is an enzyme indispensable to reproduction of AIDS virus.

Because full-size reverse transcriptase was used as immunogen, this antibody reacts with any subtype of HIV-1.

Applications

1. Western blotting
2. Dot blot
3. Immunoprecipitation
4. ELISA

Immunogen: Functional full-size recombinant reverse transcriptase of HIV-1 expressed and purified from E. coli

Form: 0.09% sodium azide added to the antiserum

Size: 50 ul

Storage: Sent at 4℃ and stored at -20℃

Data Link GenBank: AAA44988.1

References : Virus is described in Ref 1 and immunogen is described in Ref 2.

1. Adachi A *et al* “Production of acquired immunodeficiency syndrome-associated retrovirus in human nonhuman cells transfected with an infectious molecular clone” *J Virol* **59**: 284 -291(1986) PMID: 3016298
2. Saitoh A *et al* “Overproduction of human immunodeficiency virus type I reverse transcriptase in Escherichia coli and purification of the enzyme” *Microbiol Immunol* **34**:509-521 (1990) PMID: 1699113

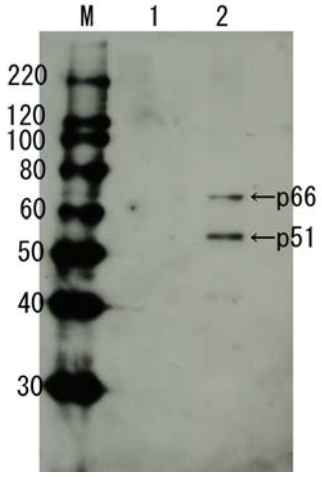

Fig.1 Detection of HIV-1 reverse transcriptase by Western blotting using anti-HIV transcriptase antibody.
Lnae 1: Extract of MT4 cells
Lane2: Extract of MT4 cells infected with HIV-1 (LAI strain)
The antiserum was diluted 2,500 fold before use.