Anti-HIV-1 Reverse Transcriptase Antibody, rabbit serum

65-001　　100 ul

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 for reproduction of AIDS virus.

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

Applications

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

Immunogen: Full-size functional recombinant HIV-1 expressed and purified from E. coli

Form: 0.09% sodium azide added to the antiserum

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

Data Link GenBank: AAA44988.1

References : The HIV-1 strain and immunogen has been described in the following references.

1. Adachi A *et al* "Production of acquired immunodeficiency syndrome-associated retrovirus in human and nonhuman cells transfected with an infectious molecular clone" *J Virol* **59**: 284 -291(1986) PMID: 3016298
2. Saitoh A *et a*l "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

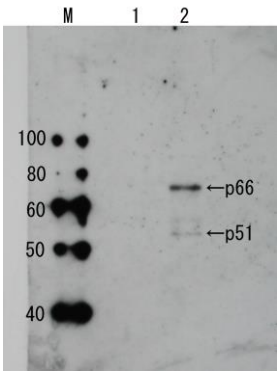

Fig.1 Detection of HIV-1 reverse transcriptase in the extract of HIV-1 infected cells by Western blotting using anti-HIV transcriptase antibody.
Lnae 1: Extract of MT4 cells
Lane 2: Extract of MT4 cells infected with HIV-1 (LAI strain)
The antiserum was diluted 2,500 fold before use.

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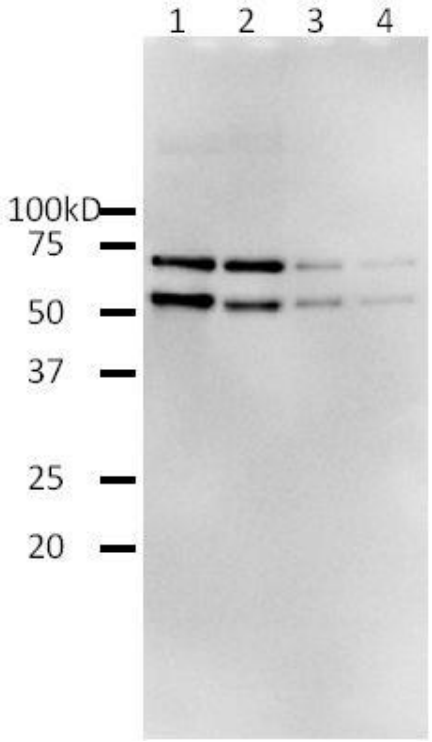

Fig.2. Western blotting of functional recombinant full-length HIV-1 reverse transcriptase (BioAcademia 05-001) by using anti-HIV-1 Reverse Transriptase antibody.

1; 40 ng / lane

2; 20 ng / lane

3; 4 ng / lane

4; 2 ng /lane

Anti-HIV-1 RT antibody was used at 1/2,000 dilution. As second antibody, goat anti-rabbit IgG antibody conjugated with HRP was used at 1/5,000 dilution. ECL system was used.

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