



Anti-HIV-1 Reverse Transcriptase Antibody

Immuned Animal: Rabbit

Polyclonal antiserum

65-002

250 µl

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 the reproduction of AIDS virus.

The product is prepared by immunizing rabbit with HIV-1 reverse transcriptase which was uniquely over-overexpressed as recombinant protein in *E. coli* by a patent method and highly purified (2).

Using this antiserum in Western blotting, the bands of 66 kD and 51 kD corresponding respectively to the two subunits of HIV-1 reverse transcriptase were observed in the extract of the AIDS virus infected cells (Fig 1).

Usage

- 1) It can be used in Western blotting or ELISA for HIV-1 reverse transcriptase detection and titration.

Specification

Form: 0.09% sodium azide added to the antiserum.

Storage: 4°C

Reference:

1. Adachi A, et al., J. Virol. 59, 284 (1986)
2. Saitoh A, et al., Microbiol. Immunol. 34:509-521 (1990)

Fig. 1 Detection of HIV-1 reverse transcriptase by Western blotting using anti-HIV-1 reverse transcriptase antibody
Lane 1, Extract of MT4 cells.
Lane 2, Extract of MT4 cells infected with HIV-1 (LAI strain).
The antiserum was diluted 2500 fold before use.

