

Anti-HIV-1 p17 antibody

Immunized Animal: Rabbit

Polyclonal antiserum

Cat. # 65-008 (50 µl)

Description

HIV-1 Gag p17 is the matrix protein of AIDS virus HIV-1 and is produced by the digestion of its precursor Gag p55 by HIV-1 protease. This protein is indispensable to the reproduction of AIDS virus and constitutes an essential element for the of AIDS virus particle construction (1).

The product is prepared by immunizing rabbit with recombinant p17 protein which was over-expressed in *E. coli* with a plasmid carrying the Gag p17 coding region of HIV-1 virus, subtype B (2), and highly purified by several steps of chromatography (3,4).

Using this antiserum in Western blotting, the bands of 17 kD and 55 kD corresponding respectively to HIV-p17 and to its precursor p55 were observed in the extract of the AIDS virus infected cells (Fig. 1).

Usage

- Use for Western blotting or ELISA for HIV-1 p17 detection and titration.

Specification

Form: 0.09% sodium azide added to the antiserum.

Storage: 4°C

References

1. Freed EO, *Virology* 251:1-15 (1998) Review
2. Adachi A, et al., *J. Virol.* 59, 284 (1986)
3. Saitoh A, et al., *Microbiol. Immunol.* 36:105-111 (1992)
4. Saito A, et al., *Microbiol. Immunol.* 39:473-483 (1995)

Fig. 1: Detection of HIV-1 p17 and its p55 precursor proteins by Western blotting using the p17 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.

