



Anti-HIV-1 Gag p15 antibody Immunized Animal: Rabbit

Polyclonal antiserum Cat. # 65-011 (100 µl)

Description

HIV-1 Gag p15 is processed by the digestion of its precursor Gag p55 by HIV-1 protease. This protein is further digested into nuclocapsid protein p7 and into p6 and p1 of unknown function. This digestion is promoted by the binding of HIV-1 genome RNA and the two Zn finger motifs that exist in the p7 region. The produced nucleocapsid protein p7 regulates the RNA function by directly binding to HIV-1 genome RNA (1).

The product is prepared by immunizing rabbit with recombinant p15 protein which was overexpressed in E. coli with a plasmid carrying the Gag p15 coding region of HIV-1 virus, and highly purified by several steps of chromatography (2).

Using this antiserum in Western blotting, the band of 15 kD corresponding to HIV-1 p15 was observed in the extract of the AIDS virus infected cells (Fig. 1)

Usage

• It can be used in Western blotting or ELISA for HIV-1 p15 detection and titration.

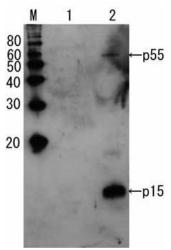
Specification

Form: 0.09% sodium azide added to the antiserum.

Storage: 4°C

References

- 1. Freed EO, Virology 251:1-15 (1998) Review
- 2. Saito A, et al., Microbiol.Immunol.39:473-483 (1995)
- Fig. 1: Detection of HIV-1 p15 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 20 (LAI strain). The antiserum was diluted 1000 fold before use.



Distributed by AS ONE International, Inc.