

Anti-HIV-1 Gag p17 antibody, Guinea pig serum

Product code	65-010
Size	100 µl
Storage	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing thawing.
Concentration	N/A
Buffer	0.09% sodium azide
Purity	Guinea pig antiserum
Immunogen	Purified full-size recombinant Gag p17 of HIV-1 subtype B (Ref 2) expressed in E. coli (Ref 2,3)
Isotype	Guinea pig IgG
Reactivity	HIV-1
Special notes	N/A
Application	1. Western blot 2. Dot blot 3. Immunoprecipitation 4. ELISA Other applications have not been tested
Background	HIV-1 Gag p17 is the matrix protein of AIDS virus HIV-1 and is processed by digestion of its precursor Gag p55 by HIV-1 protease. This protein is indispensable to the reproduction of AIDS virus and constitute the essential element of the of AIDS virus particle construction (1).
Data Link	GenBank: AAA44988.1
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

Data Images: 65-011 Anti-HIV-1 Gag p17 antibody, Guinea pig serum

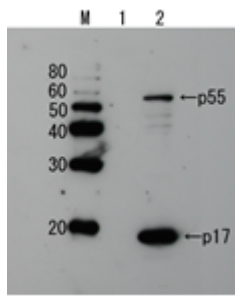


Fig.1 Detection of HIV-1 Gag p17 and its p55 precursor protein by Western blotting using the anti-p17 antibody.

Lane 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.

References :

1. Freed EO "HIV-1 gag proteins: diverse functions in the virus life cycle" *Virology* **251**:1-15 (1998) PMID: [9813197](#)
2. 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](#)
3. Saitoh A *et al* "A unique monoclonal antibody that recognizes mature p17 of HIV-1 but not its precursor" *Microbiol Immunol* **36**:105-111 (1992) PMID: [1584067](#)
4. Saito A *et al*"Overproduction, purification, and diagnostic use of the recombinant HIV1 Gag proteins, the precursor protein p55 and the processed products p17, p24, and p15" *Microbiol Immunol* **39**:473-483 (1995) PMID: [8569532](#)