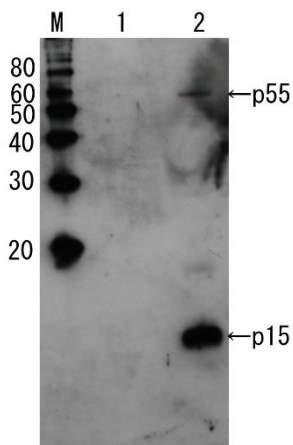


## Anti-HIV-1 Gag p15 antibody, rabbit serum

<b>Product code</b>	65-011
<b>Size</b>	100 µl
<b>Storage</b>	Store 4°C for short term For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Concentration</b>	N/A
<b>Buffer</b>	0.09% sodium azide
<b>Purity</b>	Rabbit antiserum
<b>Immunogen</b>	NTENTPWMKNEGQS (C-terminal of mouse ACE3)
<b>Isotype</b>	Rabbit IgG
<b>Reactivity</b>	HIV-1 LAI strain
<b>Special notes</b>	N/A
<b>Application</b>	<ol style="list-style-type: none"> <li>1. Western blot (1/1,000~1/5000)</li> <li>2. Dot blot (assay dependemt)</li> <li>3. Immunoprecipitation (assay dependent)</li> <li>4. ELISA (assay dependent)</li> </ol> Other applications have not been tested.
<b>Background</b>	<p>HIV-1 Gag p15 is processed by digestion of its precursor Gag p55 by HIV-1 protease. This protein is further digested into nucleocapsid 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).</p>
<b>Data Link</b>	GenBank: <a href="https://www.ncbi.nlm.nih.gov/nuclom/AAA44988.1">AAA44988.1</a>
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 p15 antibody, rabbit serum



**Fig.1** Detection of HIV-1 p15 and its p55 precursor protein by Western blotting using the anti-p15 antibody.

Lane1: Extract of MT4 cells

Lane2: Extract of MT4 cells infected with HIV-1 (LAI strain)

The antiserum was diluted 1,000 fold before use.

## References

1. Freed EO "HIV-1 gag proteins: diverse functions in the virus life cycle" *Virology* **251**:1-15 (1998)  
Review PMID: [9813197](#)
2. Saito A *et al* "Overproduction, purification, and diagnostic use of the recombinant HIV-1 Gag proteins, the precursor protein p55 and the processed products p17, p24, and p15" *Microbiol Immunol* **39**:473-483 (1995) PMID: [8569532](#)

## Related products

05-007 HIV-1 Gag p15