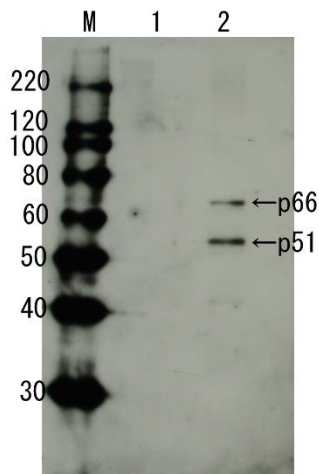


## Anti-HIV-1 Reverse Transcriptase Antibody, Guinea Pig serum

<b>Product code</b>	65-003
<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>	Guinea pig antiserum
<b>Immunogen</b>	Functional full-size recombinant reverse transcriptase of HIV-1 expressed and purified from <i>E. coli</i>
<b>Isotype</b>	Guinea pig 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 blotting</li> <li>2. Dot blot</li> <li>3. Immunoprecipitation</li> <li>4. ELISA</li> </ol> Other applicacatiotons have not been tested.
<b>Background</b>	<p>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 reproduction of AIDS virus.</p> <p>Because full-size reverse transcriptase was used as immunogen, this antibody reacts any subtype of HIV-1.</p>
<b>Data Link</b>	GenBank: <a href="#">AAA44988.1</a>
Please note: All products are FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR MILITARY USE.	

**Data Images:** 65-003 HIV-1 Reverse Transcriptase Antibody, Guinea Pig serum



**Fig.1** Detection of HIV-1 reverse transcriptase by Western blotting using anti-HIV transcriptase antibody.

Lane 1: Extract of MT4 cells

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

The antiserum was diluted 2,500 fold before use.

**References:** Virus is described in Ref 1 and immunogen is described in Ref 2.

1. Adachi A *et al* "Production of acquired immunodeficiency syndrome-associated retrovirus in human nonhuman cells transfected with an infectious molecular clone" *J Virol* **59**: 284 -291(1986) PMID: [3016298](https://pubmed.ncbi.nlm.nih.gov/3016298/)
2. Saitoh A *et al* "Overproduction of human immunodeficiency virus type I reverse transcriptase in Escherichia coli and purification of the enzyme" *Microbiol Immunol* **34**:509-521 (1990) PMID: [1699113](https://pubmed.ncbi.nlm.nih.gov/1699113/)