

## Product datasheet

# Anti-HIV1 Reverse Transcriptase antibody [8C4D7] ab87398

## 2 References

### Overview

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<b>Product name</b>	Anti-HIV1 Reverse Transcriptase antibody [8C4D7]
<b>Description</b>	Mouse monoclonal [8C4D7] to HIV1 Reverse Transcriptase
<b>Host species</b>	Mouse
<b>Specificity</b>	Binds to recombinant Reverse Transcriptase HIV1 (IIIB).
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	Reacts with HIV1,(IIIB).
<b>Immunogen</b>	Purified full length recombinant HIV1 Reverse Transcriptase produced in <i>E. coli</i> Expression system.

### Properties

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<b>Form</b>	Lyophilised:Reconstitute with distilled water
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: PBS
<b>Purity</b>	>95% by SDS-PAGE
<b>Purification notes</b>	Purified IgG, >95% pure by SDS-PAGE analysis. Not tested for sterility or endotoxin content.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	8C4D7
<b>Isotype</b>	IgG1

### Applications

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Our [Abpromise guarantee](#) covers the use of **ab87398** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		
ELISA		

**Application notes**

ELISA: 1/1000 (when antibody concentration is 1 mg/ml)  
 WB: 1/500 - 1/1000 (when antibody concentration is 1 mg/ml).

Not yet tested in other applications.  
 Optimal dilutions/concentrations should be determined by the end user.

**Target**

**Relevance**

HIV1 Reverse Transcriptase is an RNA-dependent DNA polymerase of HIV1 (AIDS virus), subtype B origin. It is responsible for the production of a double stranded DNA copy of the single stranded RNA genome that is contained in the HIV1 virus particle and primed by the host cell lysine-tRNA which partly unfolds and anneals to the 5' end of the viral genomic RNA. This is extended by the polymerase function of RT to give a DNA-RNA hybrid. It also has RNaseH activity which degrades the RNA component of this hybrid once it has been copied.

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