

Product datasheet

Anti-HIV1 Reverse Transcriptase antibody [8C4D7] ab87398

2 References

Overview

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

Properties

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

Applications

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		

Application	Abreviews	Notes
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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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