

Product datasheet

Anti-HIV1 p17 antibody [32/5.8.42] ab9064

Overview

Product name	Anti-HIV1 p17 antibody [32/5.8.42]
Description	Mouse monoclonal [32/5.8.42] to HIV1 p17
Host species	Mouse
Tested applications	Suitable for: WB, Radioimmunoprecipitation, ELISA, ICC/IF
Species reactivity	Reacts with: Other species
Immunogen	Other Immunogen Type corresponding to HIV1 p17. ab9064 was raised by immunizing BALB/c mice with purified HIV-1 (Strain III B) lysate.
Epitope	The antibody epitope has been mapped to amino acids 12-19 (see PMID: 2462060).
General notes	<p>The antibody may be used in indirect immunostaining techniques to detect HIV-1 core protein in fresh or cultured HIV-1 infected cells. Studies on core antigen synthesis and metabolism are performed using Western blotting or radioimmunoprecipitation analysis. The antibody may also be valuable for the affinity isolation of HIV-1 core protein.</p> <p>Antibody dilutions should be prepared using buffers containing suitable protein in order to stabilize antibody activity.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.2 Constituent: PBS
Purity	Protein A purified
Purification notes	Purified from serum-free culture supernatant.
Primary antibody notes	The antibody may be used in indirect immunostaining techniques to detect HIV-1 core protein in

fresh or cultured HIV-1 infected cells. Studies on core antigen synthesis and metabolism are performed using Western blotting or radioimmunoprecipitation analysis. The antibody may also be valuable for the affinity isolation of HIV-1 core protein.

Clonality	Monoclonal
Clone number	32/5.8.42
Isotype	IgG2a

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab9064 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		Use a concentration of 1 - 10 µg/ml.
Radioimmunoprecipitation		Use at an assay dependent concentration.
ELISA		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 1 - 10 µg/ml.
AP		Use at an assay dependent concentration.

Target

Relevance HIV1 p17 is the matrix protein of the Gag polyprotein which performs highly complex orchestrated tasks during the assembly, budding, maturation, and infection stages of the viral replication cycle. During viral assembly, the proteins form membrane associations and self-associations that ultimately result in budding of an immature virion from the infected cell. Gag precursors also function during viral assembly to selectively bind and package two plus strands of genomic RNA.

Cellular localization Matrix protein of HIV1 Gag polyprotein

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