

Datasheet: VMA00245

Description:	MOUSE ANTI DNA METHYLTRANSFERASE 1
Specificity:	DNA METHYLTRANSFERASE 1
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	■			1/1000

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependant on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody prepared by affinity chromatography on Protein G from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Immunogen	Recombinant protein corresponding to amino acids 1448-1594 of human DNA methyltransferase 1 expressed in <i>E. coli</i>
External Database Links	UniProt: P26358 Related reagents Entrez Gene: 1786 DNMT1 Related reagents
Synonyms	AIM, CXXC9, DNMT
Specificity	Mouse anti Human DNA methyltransferase 1 antibody recognizes the DNA (cytosine-5)-methyltransferase 1 , also known as Dnmt1, CXXC-type zinc finger protein 9, DNA

methyltransferase HsaI, DNA MTase HsaI or M.HsaI MCMT.

DNA (cytosine-5-)-methyltransferase 1 has a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Aberrant methylation patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding different isoforms have been found for DNMT1 (provided by RefSeq, Aug 2008).

Mouse anti Human DNA methyltransferase 1 antibody detects a band of 180 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting	Anti DNA methyltransferase 1 detects a band of approximately 205 kDa in Jurkat cell lysates
Instructions For Use	Please refer to the PrecisionAb western blotting protocol . For additional information on secondary antibody dilution and exposure time see product web page.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Shelf Life	As supplied, 12 months from date of despatch.
Acknowledgements	PrecisionAb™ is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: Antibody (10040): https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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