

Datasheet: VMA00951

Description:	MOUSE ANTI NNMT
Specificity:	NNMT
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	EF02/2D5
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

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. 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 dependent on sample type.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-264 of human NNMT

**External Database
Links**

UniProt:

[P40261](#) [Related reagents](#)

Entrez Gene:

[4837](#) NNMT [Related reagents](#)

Fusion Partners Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity **Mouse anti NNMT antibody** recognizes nicotinamide N-methyltransferase (NNMT). NNMT is a cytosolic enzyme which catalyzes transfer of the methyl group from S-adenosyl-L-methionine (SAM) to nicotinamide (NA). SAM is a methyl donor for histones, non-histone proteins, DNA, RNA, lipids and other metabolites, and the activity of NNMT regulates gene expression via altered histone methylation ([Eckert et al. 2019](#)). NNMT has been found to promote migration, invasion, proliferation and survival of cancer cells. Accordingly, overexpression of NNMT has been documented in a variety of cancers of the lung, liver, kidney, bladder, and colon ([Ulanovskaya et al. 2013](#)). In addition to cancers, NNMT overexpression has been linked to several metabolic disorders. It has been suggested as a therapeutic target for treatment of cancers and metabolic disorders ([Gao et al. 2019](#)).

Western Blotting Mouse anti NNMT detects a band of approximately 26 kDa in A549 cell lysates

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee 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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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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