

## Datasheet: VMA00951

<b>Description:</b>	MOUSE ANTI NNMT
<b>Specificity:</b>	NNMT
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	EF02/2D5
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - Liquid
<b>Preparation</b>	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<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](#)

---

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

---

<b>Specificity</b>	<p><b>Mouse anti NNMT antibody</b> 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 (<a href="#">Eckert et al. 2019</a>). 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 (<a href="#">Ulanovskaya et al. 2013</a>). 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 (<a href="#">Gao et al. 2019</a>).</p>
--------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

<b>Western Blotting</b>	Mouse anti NNMT detects a band of approximately 26 kDa in A549 cell lysates
-------------------------	-----------------------------------------------------------------------------

---

<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
----------------	----------------------------------------------------------------

---

<b>Guarantee</b>	12 months from date of despatch
------------------	---------------------------------

---

<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
-------------------------	----------------------------------------------------

---

<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00951">https://www.bio-rad-antibodies.com/SDS/VMA00951</a> Antibody (10040)
--------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

---

<b>Regulatory</b>	For research purposes only
-------------------	----------------------------

---

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

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

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M394613:220215'

