

Datasheet: VMA00859

Description:	MOUSE ANTI PSMD10
Specificity:	PSMD10
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB03/4A8
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 1-226 of human PSMD10

**External Database
Links**

UniProt:

[O75832](#) [Related reagents](#)

Entrez Gene:

[5716](#) PSMD10 [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 PSMD10 antibody** recognizes 26S proteasome non-ATPase regulatory subunit 10, also known as gankyrin, p28(GANK).

PSMD10 is one of the nonATPase subunits of the regulatory complex of the 26S proteasome. PSMD10 facilitates degradation of RB1 and TP53, controlling the balance between cell cycle progression and apoptosis ([Luo et al. 2016](#)). It functions as an oncoprotein in the liver, is overexpressed in hepatocellular carcinoma (HCC), and is overexpressed in prostate tumors ([Kim et al. 2017](#)). In HCC, PSMD10 promotes autophagy in response to environmental stressors to increase cancer progression ([Luo et al. 2016](#)). Dysregulation of PSMD10 promotes tumor progression, cell proliferation and metastasis. PSMD10 has been identified as a potential therapeutic target for certain cancer types ([Liu et al. 2018](#))

Western Blotting Mouse anti PSMD10 antibody detects a band of approximately 23 kDa in HEK293 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: <https://www.bio-rad-antibodies.com/SDS/VMA00859>
Antibody (10040)

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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'M394641:220215'

Printed on 13 Aug 2023

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