

Datasheet: VMA00954

Description:	MOUSE ANTI PSMB2
Specificity:	PSMB2
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	GH01/3E1
Isotype:	IgG2b
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 1-201 of human PSMB2

**External Database
Links**

UniProt:

[P49721](#) [Related reagents](#)

Entrez Gene:

[5690](#) PSMB2 [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 PSMB2 antibody** recognizes proteasome subunit beta type-2, also known as macropain subunit C7-I. PSMB2 is a component of the 20S proteasome, a large protein complex which has critical roles in regulating homeostasis by degrading targeted proteins ([Latham et al. 2014](#)). Proteins become tagged for destruction when they acquire a polymerized ubiquitin chain, shutting the protein to the proteasome. In this way, the proteasome is able to selectively degrade specific proteins. Through its ability to degrade a diverse range of tagged proteins, the proteasome plays a wide variety of roles in biological processes by rapid catalysis of biological reactions ([Tanaka et al. 2009](#)).

Western Blotting Mouse anti PSMB2 detects a band of approximately 24 kDa in K562 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/VMA00954>
Antibody (10040)

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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