

Datasheet: VMA00142

Description:	MOUSE ANTI PSMB4
Specificity:	PSMB4
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OTI5B5
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 purified by affinity chromatography from ascites.
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant protein of human PSMB4 (NP_002787) produced in HEK293T cell
External Database Links	UniProt: P28070 Related reagents Entrez Gene: 5692 PSMB4 Related reagents
Synonyms	PROS26

Specificity	Mouse anti Human PSMB4 antibody recognizes PSMB4, also known as 26 kDa prosomal protein, hsbPROS26, macropain beta chain, multicatalytic endopeptidase complex beta chain, proteasome beta chain, proteasome chain 3, proteasome subunit HsN3 and proteasome subunit beta type-4. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. PSMB4 encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit (provided by RefSeq, Jul 2008). Mouse anti Human PSMB4 antibody detects a band of 28 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.
Western Blotting	Anti PSMB4 detects a band of approximately 28 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 #10048 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.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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