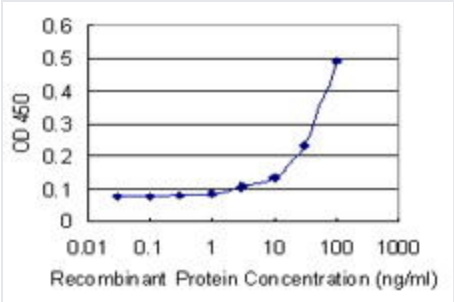
PSMD10 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PSMD10, Monoclonal Antibody
Full Product Name	PSMD10 (Proteasome (Prosome, Macropain) 26S Subunit, non-ATPase, 10, dJ889N15.2, p28) (FITC)
Product Gene Name	anti-PSMD10 antibody
Product Synonym Names	Proteasome (Prosome; Macropain) 26S Subunit; non-ATPase; 10; dJ889N15.2; p28
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	1B4
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).
Purity/Purification	Purified
Specificity	Recognizes PSMD10.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Immunogen	PSMD10 (AAH11960, 127aa-226aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Conjugate	FITC
Product Categories/Family for anti-PSMD10 antibody	Antibodies; Proteasomes
Applications Tested/Suitable for anti-PSMD10 antibody	Western Blot (WB)
Application Notes for anti-PSMD10 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PSMD10 antibody	The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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. This gene encodes a non-ATPase subunit of the 19S regulator. Two transcripts encoding different isoforms have been described. Pseudogenes have been identified on chromosomes 3 and 20. [provided by RefSeq]
Other Notes	Small volumes of anti-PSMD10 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for PSMD10 purchase	MBS6178528 is an antibody targeting PSMD10. Also known as PSMD10 (Proteasome (Prosome, Macropain) 26S Subunit, non-ATPase, 10, dJ889N15.2, p28) (FITC). Host: Mouse.



Testing Data of anti-PSMD10 antibody
Detection limit for recombinant GST tagged PSMD10 is 3 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PSMD10. It may not necessarily be applicable to this product.

NCBI GI #	15080417
NCBI GeneID	5716
NCBI Accession #	AAH11960
UniProt Related Accession #	O75832
NCBI Official Full Name	Proteasome (prosome, macropain) 26S subunit, non-ATPase, 10
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 10
NCBI Official Symbol	PSMD10
NCBI Official Synonym Symbols	p28; p28(GANK); dJ889N15.2
Protein Family	26S proteasome non-ATPase regulatory
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 10
NCBI Summary for PSMD10	This gene encodes a subunit of the PA700/19S complex, which is the regulatory component of the 26S proteasome. The 26S proteosome complex is required for ubiquitin-dependent protein degradation. This protein is a non-ATPase subunit that may be involved in protein-protein interactions. Aberrant expression of this gene may paly a role in tumorigenesis. Two transcripts encoding different isoforms have been described. Pseudogenes have been identified on chromosomes 3 and 20.[provided by RefSeq, Mar 2011]
Research Articles on PSMD10	**1.** 38 (72%) colorectal cancer (CRC) patients had increased gankyrin expression in tumor cells. The enhanced gankyrin expression in tumor cells was associated with unfavorable progression-free survival and could serve as a biomarker to predict therapeutic response in patients with metastatic CRC.
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