Mouse PSMB4 Monoclonal Antibody | anti-PSMB4 antibody

PSMB4 antibody

CATALOG #	HOST	APPLICATIONS
AAA108094	**Mouse**	**Western Blot, Flow Cytometry, Functional Assay**

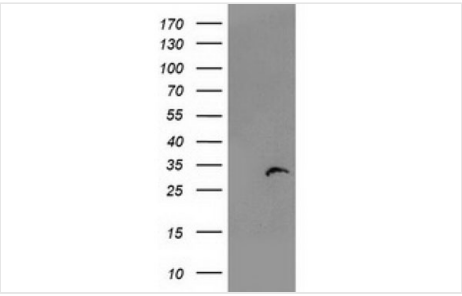
PRODUCT SYNONYMS

PSMB4; Monoclonal Antibody; PSMB4 antibody; Monoclonal PSMB4; Anti-PSMB4; Proteasome macropain subunit beta type 4; Prosome Macropain Subunit Beta Type 4; HN3; HsN3; PROS26; PSMB 4; PSMB-4; anti-PSMB4 antibody

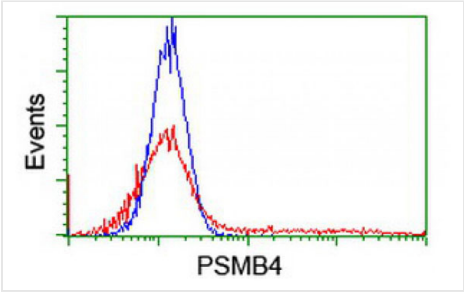
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1F8
Purity/Purification	PSMB4 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	264
Applicable Applications for anti-PSMB4 antibody	WB (Western Blot), FCM/FACS (Flow Cytometry)
Biological Significance	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 is a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit.
Cross-Reactivity	Human
Immunogen	PSMB4 antibody was raised in mouse using a full length recombinant protein of human PSMB4 (NP_002787) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PSMB4 protein (Right) or empty vector (Left) detected with PSMB4 antibody



FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant PSMB4 protein (red) or empty vector (blue) stained using PSMB4 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PSMB4 antibody	Mouse monoclonal PSMB4 antibody
Product Categories/Family for anti-PSMB4 antibody	Protein Modification & Stress Response

NCBI AND UNIPROT INFORMATION

NCBI GI #	22538467
NCBI GeneID	5692
NCBI Accession #	NP_002787.2
NCBI GenBank Nucleotide #	NM_002796.2
Molecular Weight	29,204 Da
NCBI Official Full Name	proteasome subunit beta type-4
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, beta type, 4
NCBI Official Symbol	PSMB4
NCBI Official Synonym Symbols	HN3; HsN3; PROS26; PROS-26
NCBI Protein Information	proteasome subunit beta type-4
UniProt Protein Name	Proteasome subunit beta type-4
UniProt Gene Name	**PSMB4**
UniProt Synonym Gene Names	PROS26; HsBPROS26; PROS-26; HsN3
UniProt Entry Name	PSB4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/monoclonal/psmb4-antibody-clone-1f8-western-blot-flow-cytometry-elisa/108094