

Mouse anti-Human PSMD10 Monoclonal Antibody | anti-PSMD10 antibody

PSMD10 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48191	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

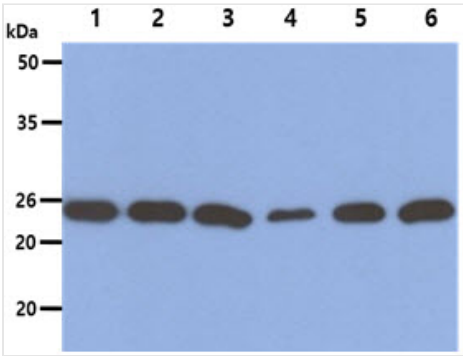
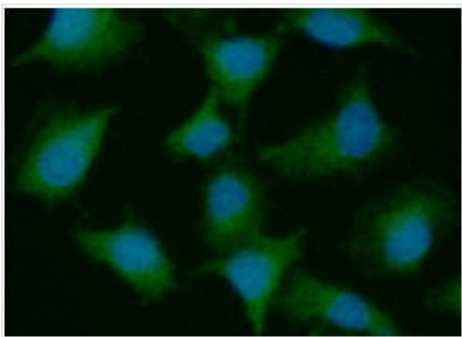
PRODUCT SYNONYMS

PSMD10; Monoclonal Antibody; PSMD10 antibody; proteasome 26S subunit non ATPase 10 (PSMD10) isoform 1; ankyrin repeat protein p28; Gankyrin; 26S proteasome non-ATPase regulatory subunit 10; 26S proteasome regulatory subunit p28; PSMD10.; anti-PSMD10 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT1F4
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	226
Applicable Applications for anti-PSMD10 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PSMD10 (1-226aa) purified from E. coli
Clone Note	Anti-human PSMD10 mAb, clone AT1F8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PSMD10 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of PSMD10 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PSMD10 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

WB (Western Blot)
The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PSMD10 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : A549 cell lysate Lane 2. : PC3 cell lysate Lane 3. : K562 cell lysate Lane 4. : HepG2 cell lysate Lane 5. : HeLa cell lysate Lane 6. : Jurkat cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PSMD10 antibody	26S proteasome non-ATPase regulatory subunit 10 is an enzyme that in humans is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. 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.
Product Categories/Family for anti-PSMD10 antibody	Ubiquitination
References	Hori T., et al. (1998) Gene. 216 (1): 113-122.; Kaneko T., et al. (2009) Cell. 137: 914-925.; Wang J., et al. (2009) Cytogenet Genome Res. 125: 87-97.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506217
NCBI GeneID	5716
NCBI Accession #	NP_002805
NCBI GenBank Nucleotide #	NM_002814.3
UniProt Accession #	O75832; Q5U0B2; Q8IZK9
Molecular Weight	16,137 Da
NCBI Official Full Name	26S proteasome non-ATPase regulatory subunit 10 isoform 1
NCBI Official Synonym Full Names	proteasome 26S subunit, non-ATPase 10
NCBI Official Symbol	PSMD10
NCBI Official Synonym Symbols	p28; p28(GANK); dJ889N15.2
NCBI Protein Information	26S proteasome non-ATPase regulatory subunit 10
UniProt Protein Name	26S proteasome non-ATPase regulatory subunit 10
UniProt Gene Name	PSMD10

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.

