

Product datasheet for TA500781

PSMD10 Mouse Monoclonal Antibody [Clone ID: OTI3F6]

Product data:

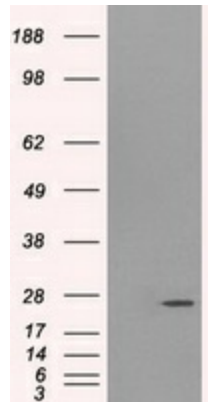
Product Type:	Primary Antibodies
Clone Name:	OTI3F6
Applications:	FC, WB
Recommend Dilution:	WB 1:2000, Flow 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PSMD10 (NP_002805) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	24.4 kDa
Gene Name:	proteasome 26S subunit, non-ATPase 10
Database Link:	NP_002805 Entrez Gene 5716 Human
Background:	<p>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.</p>



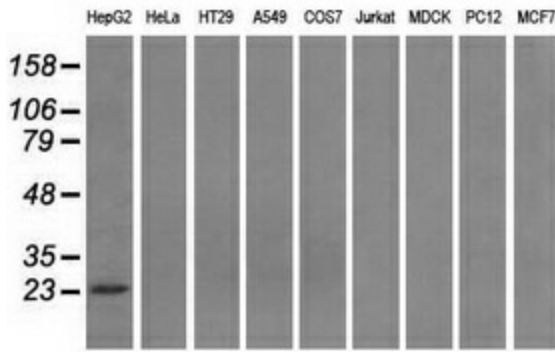
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Synonyms: dj889N15.2; p28; p28(GANK)

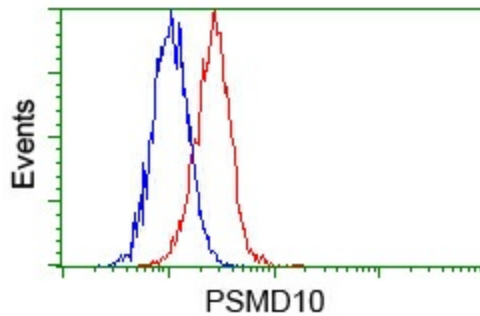
Product images:



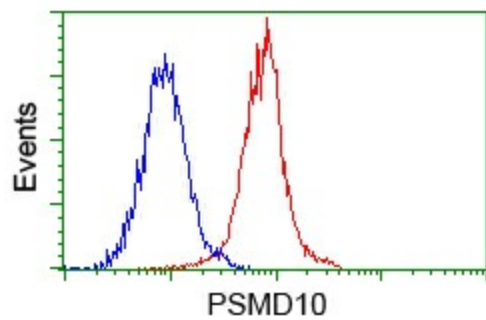
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PSMD10 ([RC202025], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PSMD10. Positive lysates [LY419094] (100ug) and [LC419094] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PSMD10 monoclonal antibody.



Flow cytometric analysis of HeLa cells, using anti-PSMD10 antibody (TA500781), (Red) compared to a nonspecific negative control antibody ([TA50011]) (Blue).



Flow cytometric analysis of Jurkat cells, using anti-PSMD10 antibody (TA500781), (Red) compared to a nonspecific negative control antibody ([TA50011]) (Blue).