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Product datasheet for TA504303M

PSMD3 Mouse Monoclonal Antibody [Clone ID: OTI2C2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C2
Applications:	FC, IF, WB
Recommended Dilution:	WB 1:2000, IF 1:100, FLOW 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PSMD3(NP_002800) 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)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	60.8 kDa
Gene Name:	proteasome 26S subunit, non-ATPase 3
Database Link:	NP_002800 Entrez Gene 22123 MouseEntrez Gene 287670 RatEntrez Gene 5709 Human O43242

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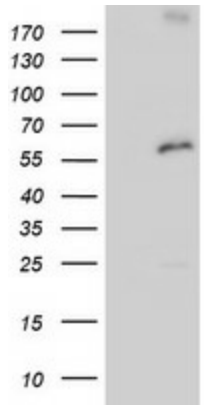
Background: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta 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 one of the non-ATPase subunits of the 19S regulator lid. [provided by RefSeq, Jul 2008]

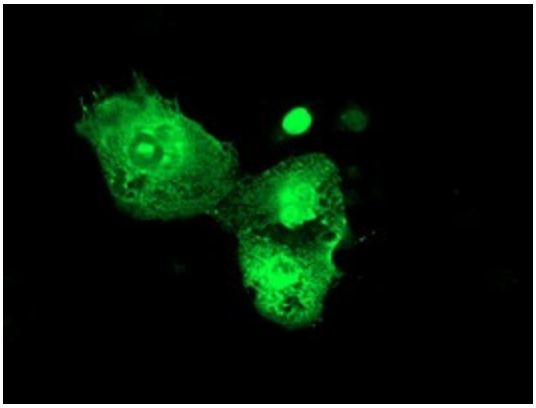
Synonyms: P58; RPN3; S3; TSTA2

Protein Pathways: Proteasome

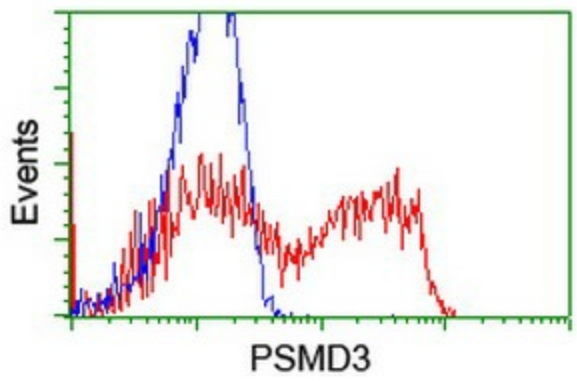
Product images:



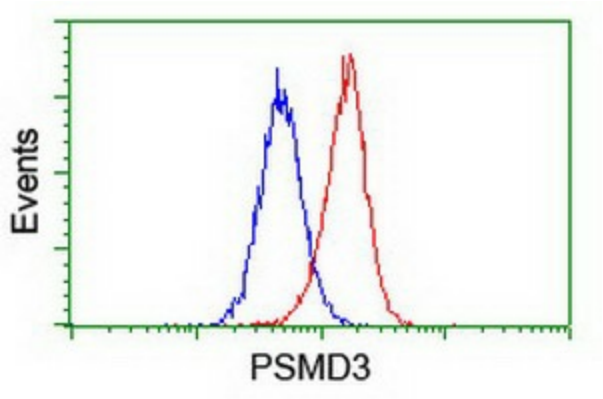
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PSMD3 ([RC202307], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PSMD3. Positive lysates [LY400996] (100ug) and [LC400996] (20ug) can be purchased separately from OriGene.



Anti-PSMD3 mouse monoclonal antibody ([TA504303]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PSMD3 ([RC202307]).



HEK293T cells transfected with either [RC202307] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-PSMD3 antibody ([TA504303]), and then analyzed by flow cytometry.



Flow cytometric Analysis of Jurkat cells, using anti-PSMD3 antibody ([TA504303]), (Red), compared to a nonspecific negative control antibody, (Blue).