26S proteasome non-ATPase regulatory subunit 4 Antibody

Mouse Monoclonal Antibody [Clone CPTC-PSMD4-3]

| Catalog No	Format	Size
5710-MSM1-P0	Purified Ab with BSA and Azide	200ug/ml
5710-MSM1-P1	Purified Ab with BSA and Azide	200ug/ml
5710-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Western Blot (WB)	2-4ug/ml

Product Details

Clone	CPTC-PSMD4-3
Gene Name	PSMD4
Immunogen	Recombinant full-length human PSMD4protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	~50kDa
Species Reactivity	Human
Positive Control	Jurkat or HepG2 cells. Liver tissue lysate. Human liver, Tonsil or Kidney.

*Optimal dilution for a specific application should be determined.*

Product Images for 26S proteasome non-ATPase regulatory subunit 4 Antibody
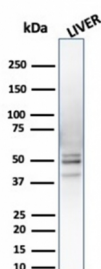
Western Blot Analysis of Liver tissue lysate using PSMD4Mouse Monoclonal Antibody (CPTC-PSMD4-3).

Rank	Protein	Z score	S score
1	PSMD4	107.71	75.08
2	UBXN7	32.63	6.68
3	PIPSL	25.96	10.77
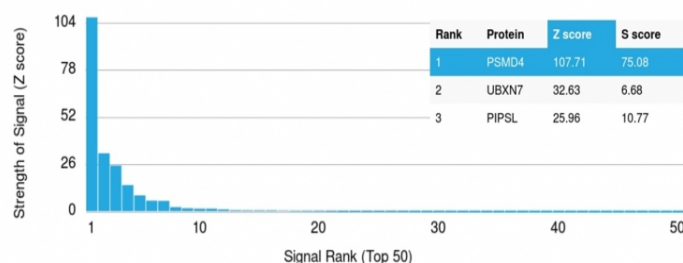
Analysis of Protein Array containing more than 19,000 full-length human proteinsusing 26S proteasome non-ATPase regulatory subunit 4 Mouse Monoclonal Antibody (CPTC-PSMD4-3). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.
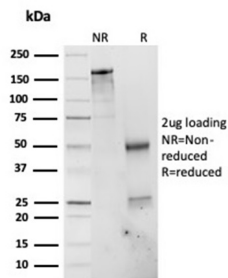
SDS-PAGE Analysis of Purified PSMD4Mouse Monoclonal Antibody (CPTC-PSMD4-3). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

In eukaryotic cells, selective breakdown of cellular proteins is ensured by two distinct pathways. First, appropriate proteins are tagged for degradation by ubiquitination. Second, these multiubiquitinated proteins are degraded by the highly selective 26S Proteasome protein-destroying machinery. At specific stages of development, embryo- and tissue-specific components of the 26S Proteasome are formed, which are termed Rpn10a through Rpn10e, or alternatively pUb-R2 through pUb-R5. All members of this family can be generated by a single Rpn10 gene by developmentally regulated alternative splicing. The pUb-R2 subunit, originally identified as S5a (also designated antisecretory factor and multiubiquitin chain binding protein) is ubiquitously expressed and may perform proteolysis constitutively in a wide variety of cells. pUb-R4 and pUb-R5 may have embryo- or tissue-specific expression and may play specialized roles in early embryonic development.

Research Areas

Developmental Biology, Immunology, Cytokine Signaling, Infectious Disease, Nuclear Marker, Signal Transduction, Transcription Factors

Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml) | ,Optimal dilution for a specific application should be determined.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.