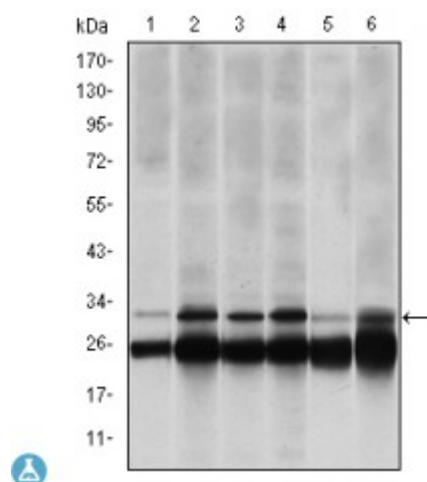


Anti-LMP7A antibody



Description	Mouse monoclonal to LMP7A.
Model	STJ98221
Host	Mouse
Reactivity	Human, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Purified recombinant fragment of human LMP7A expressed in E. Coli.
Gene ID	5696
Gene Symbol	PSMB8
Dilution range	WB 1:500-1:2000IHC 1:200-1:1000IF 1:200-1:1000ELISA 1:10000
Specificity	LMP7A Monoclonal Antibody detects endogenous levels of LMP7A protein.
Purification	Affinity purification
Clone ID	1A5
Note	For Research Use Only (RUO).
Protein Name	Proteasome subunit beta type-8 Low molecular mass protein 7 Macropain subunit C13 Multicatalytic endopeptidase complex subunit C13 Proteasome component C13 Proteasome subunit beta-5i Really interesting new gene 10 prote
Clonality	Monoclonal
Conjugation	Unconjugated
Isotype	IgG1

Formulation	Ascitic fluid containing 0.03% sodium azide.
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9545OMIM:177046
Alternative Names	Proteasome subunit beta type-8 Low molecular mass protein 7 Macropain subunit C13 Multicatalytic endopeptidase complex subunit C13 Proteasome component C13 Proteasome subunit beta-5i Really interesting new gene 10 prote
Function	The proteasome is a multicatalytic proteinase complex which is characterized by its ability to cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This subunit is involved in antigen processing to generate class I binding peptides. Replacement of PSMB5 by PSMB8 increases the capacity of the immunoproteasome to cleave model peptides after hydrophobic and basic residues. Acts as a major component of interferon gamma-induced sensitivity. Plays a key role in apoptosis via the degradation of the apoptotic inhibitor MCL1. May be involved in the inflammatory response pathway. In cancer cells, substitution of isoform 1 (E2) by isoform 2 (E1) results in immunoproteasome deficiency. Required for the differentiation of preadipocytes into adipocytes.
Cellular Localization	Cytoplasm Nucleus
Post-translational Modifications	Autocleaved. The resulting N-terminal Thr residue of the mature subunit is responsible for the nucleophile proteolytic activity.

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