

Mouse Proteasome activator complex subunit 1 (PSME1) ELISA Kit | PSME1 elisa kit

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CATALOG #
AAA246597

REACTIVITY
Mouse

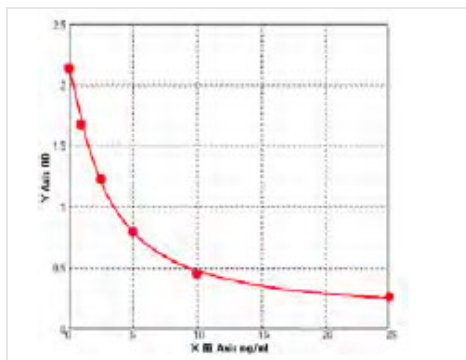
PRODUCT SYNONYMS

Proteasome activator complex subunit 1 (PSME1); Mouse Proteasome activator complex subunit 1 (PSME1) ELISA Kit; PSME1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PSME1. No significant cross-reactivity or interference between PSME1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PSME1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSME1 elisa kit	Intended Uses: This PSME1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PSME1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PSME1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PSME1 antibody and an PSME1-HRP conjugate. The assay sample and buffer are incubated together with PSME1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PSME1 concentration since PSME1 from samples and PSME1-HRP conjugate compete for the anti-PSME1 antibody binding site. Since the number of sites is limited, as more sites are occupied by PSME1 from the sample, fewer sites are left to bind PSME1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PSME1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PSME1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453990
NCBI GeneID	5720
NCBI Accession #	NP_006254.1
NCBI GenBank Nucleotide #	NM_006263.3
Molecular Weight	26,870 Da
NCBI Official Full Name	proteasome activator complex subunit 1 isoform 1
NCBI Official Synonym Full Names	proteasome (prosome, macropain) activator subunit 1 (PA28 alpha)
NCBI Official Symbol	PSME1
NCBI Official Synonym Symbols	PA28A; IFI5111; REGalpha; PA28alpha
NCBI Protein Information	proteasome activator complex subunit 1; IGUP I-5111; 29-kD MCP activator subunit; interferon-gamma IEF SSP 5111; 11S regulator complex subunit alpha; interferon-gamma-inducible protein 5111; interferon gamma up-regulated I-5111 protein; activator of multicatalytic protease subunit 1
UniProt Protein Name	Proteasome activator complex subunit 1
UniProt Gene Name	PSME1
UniProt Synonym Gene Names	IFI5111; REG-alpha; IGUP I-5111; PA28a; PA28alpha
UniProt Entry Name	PSME1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/proteasome-activator-complex-subunit-1-psme1/246597>