Mouse 26S protease regulatory subunit 7 (PSMC2) ELISA Kit | PSMC2 elisa kit

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CATALOG #	REACTIVITY
AAA245462	**Mouse**

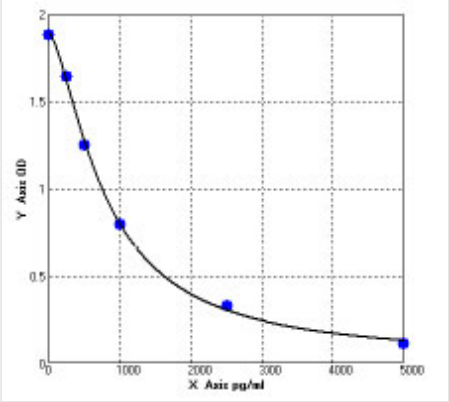
PRODUCT SYNONYMS

26S protease regulatory subunit 7 (PSMC2); Mouse 26S protease regulatory subunit 7 (PSMC2) ELISA Kit; PSMC2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of PSMC2. No significant cross-reactivity or interference between PSMC2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PSMC2 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSMC2 elisa kit	Intended Uses: This PSMC2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PSMC2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PSMC2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PSMC2 antibody and an PSMC2-HRP conjugate. The assay sample and buffer are incubated together with PSMC2-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 PSMC2 concentration since PSMC2 from samples and PSMC2-HRP conjugate compete for the anti-PSMC2 antibody binding site. Since the number of sites is limited, as more sites are occupied by PSMC2 from the sample, fewer sites are left to bind PSMC2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PSMC2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PSMC2 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	325053652
NCBI GeneID	5701
NCBI Accession #	NP_001191382.1
NCBI GenBank Nucleotide #	NM_001204453.1
Molecular Weight	48,634 Da
NCBI Official Full Name	26S protease regulatory subunit 7 isoform 2
NCBI Official Synonym Full Names	proteasome (prosome, macropain) 26S subunit, ATPase, 2
NCBI Official Symbol	PSMC2
NCBI Official Synonym Symbols	S7; MSS1; Nbla10058
NCBI Protein Information	26S protease regulatory subunit 7; protease 26S subunit 7; proteasome 26S subunit ATPase 2; proteasome 26S subunit, ATPase, 2; putative protein product of Nbla10058; 26S proteasome AAA-ATPase subunit RPT1; mammalian suppressor of sgv-1 of yeast
UniProt Protein Name	26S protease regulatory subunit 7
UniProt Gene Name	**PSMC2**
UniProt Synonym Gene Names	MSS1
UniProt Entry Name	PRS7_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/mouse-elisa-kits/26s-protease-regulatory-subunit-7-psmc2/245462