

Human Proteasome Subunit Beta Type 10 (PSMb10) ELISA Kit | PSMb10 elisa kit

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CATALOG #
AAA148679

REACTIVITY
Human

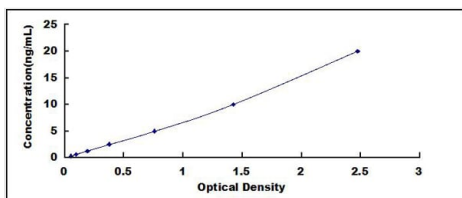
PRODUCT SYNONYMS

Proteasome Subunit Beta Type 10 (PSMb10); Human Proteasome Subunit Beta Type 10 (PSMb10) ELISA Kit; LMP10; MECL1; Low molecular mass protein 10; Macropain subunit MECL-1; Multicatalytic endopeptidase complex subunit MECL-1; Proteasome subunit beta-2i; PSMb10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Proteasome Subunit Beta Type 10 (PSMb10). No significant cross-reactivity or interference between Proteasome Subunit Beta Type 10 (PSMb10) and analogues was observed.
Sequence Length	273
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.117ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Proteasome Subunit Beta Type 10 (PSMb10) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Proteasome Subunit Beta Type 10 (PSMb10) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PSMb10 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Proteasome Subunit Beta Type 10 (PSMb10). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Proteasome Subunit Beta Type 10 (PSMb10). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Proteasome Subunit Beta Type 10 (PSMb10), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Proteasome Subunit Beta Type 10 (PSMb10) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PSMb10 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506191
NCBI GeneID	5699
NCBI Accession #	NP_002792.1
NCBI GenBank Nucleotide #	NM_002801.3
UniProt Accession #	P40306; Q5U098; B2R5J4
Molecular Weight	28,936 Da
NCBI Official Full Name	proteasome subunit beta type-10
NCBI Official Synonym Full Names	proteasome subunit beta 10
NCBI Official Symbol	PSMB10
NCBI Official Synonym Symbols	LMP10; MECL1; beta2i
NCBI Protein Information	proteasome subunit beta type-10
UniProt Protein Name	Proteasome subunit beta type-10
UniProt Gene Name	PSMB10
UniProt Synonym Gene Names	LMP10; MECL1

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/human-elisa-kits/proteasome-subunit-beta-type-10-psmb10/148679>