

Mouse Large Multifunctional Peptidase 7 (LMP7) ELISA Kit | LMP7 elisa kit

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CATALOG #
AAA149922

REACTIVITY
Mouse

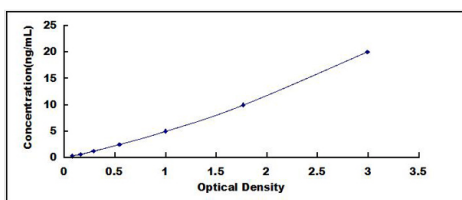
PRODUCT SYNONYMS

Large Multifunctional Peptidase 7 (LMP7); Mouse Large Multifunctional Peptidase 7 (LMP7) ELISA Kit; PSMB8; RING10; PSMB5i; Beta5i; Proteasome(Prosome; Macropain)Subunit; Beta Type 8; Multicatalytic endopeptidase complex subunit C13; Really interesting new gene 10 protein; LMP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Large Multifunctional Peptidase 7 (LMP7). No significant cross-reactivity or interference between Large Multifunctional Peptidase 7 (LMP7) and analogues was observed.
Sequence Length	276
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	0.112ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Large Multifunctional Peptidase 7 (LMP7) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Large Multifunctional Peptidase 7 (LMP7) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ 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 LMP7 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 Large Multifunctional Peptidase 7 (LMP7). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Large Multifunctional Peptidase 7 (LMP7). 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 Large Multifunctional Peptidase 7 (LMP7), 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 Large Multifunctional Peptidase 7 (LMP7) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for LMP7 elisa kit	Enzyme & Kinase; Infection Immunity; Immunodeficiency; Autoimmunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	158303322
NCBI GeneID	16913
NCBI Accession #	NP_034854.2
NCBI GenBank Nucleotide #	NP_034854.2
UniProt Accession #	P28063
NCBI Official Full Name	proteasome subunit beta type-8
NCBI Official Synonym Full Names	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)
NCBI Official Symbol	Psmb8
NCBI Official Synonym Symbols	Lmp7; Lmp-7
NCBI Protein Information	proteasome subunit beta type-8
UniProt Protein Name	Proteasome subunit beta type-8
UniProt Gene Name	Psmb8
UniProt Synonym Gene Names	Lmp7; Mc13
UniProt Entry Name	PSB8_MOUSE

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/large-multifunctional-peptidase-7-lmp7/149922>