

Mouse Mast cell protease 8 ELISA Kit | Mcpt8 elisa kit

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CATALOG #
AAA99070

REACTIVITY
Mouse

PRODUCT SYNONYMS

Mast cell protease 8; Mouse Mast cell protease 8 ELISA Kit; Mcpt8/Mast cell protease 8/mMCP-8; Mcpt8 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mcpt4. No significant cross-reactivity or interference between Mcpt4 and analogues was observed.
Sequence Length	247
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	3.125-200mIU/ml
Sensitivity	1.875mIU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Mcpt4 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Mcpt4 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a Mcpt8 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	mIU/ml	0	3.125	6.25	12.5	25	50	100	200
Y	OD450	0.004	0.178	0.32	0.634	1.018	1.628	1.79	2.391

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Mcpt8 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mcpt4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mcpt4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mcpt4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mcpt4 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6678840
NCBI GeneID	17231
NCBI Accession #	NP_032598.1
NCBI GenBank Nucleotide #	NM_008572.1
Molecular Weight	27,122 Da
NCBI Official Full Name	mast cell protease 8
NCBI Official Synonym Full Names	mast cell protease 8
NCBI Official Symbol	Mcpt8
NCBI Official Synonym Symbols	MMCP-8; BB139338
NCBI Protein Information	mast cell protease 8
UniProt Protein Name	Mast cell protease 8
UniProt Gene Name	Mcpt8
UniProt Synonym Gene Names	mMCP-8
UniProt Entry Name	MCPT8_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/mcpt8-mouse-elisa-kits/mast-cell-protease-8/99070>