

Mouse Chymase 1, Mast Cell (CMA1) ELISA Kit | CMA1 elisa kit

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CATALOG #
AAA13955

REACTIVITY
Mouse

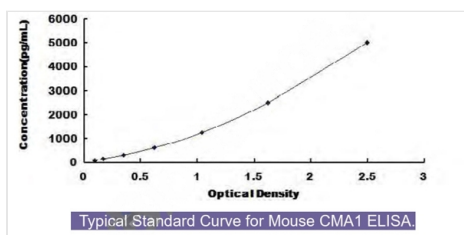
PRODUCT SYNONYMS

Chymase 1; Mast Cell (CMA1); Mouse Chymase 1; Mast Cell (CMA1) ELISA Kit; CYH CYM Alpha-chymase Mast cell protease I; CMA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of CMA1. No significant cross-reactivity or interference between CMA1 and analogues was observed.
Sequence Length	260
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma or other biological fluids
Detection Range	78.1-5000pg/mL
Sensitivity	< 30.15pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CMA1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CMA1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CMA1 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CMA1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CMA1. 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 CMA1, 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 CMA1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CMA1 in mouse serum, plasma or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6857812
NCBI GeneID	17228
NCBI Accession #	NP_034910.1
NCBI GenBank Nucleotide #	NM_010780.3
UniProt Accession #	P21844; Q9R1F0
Molecular Weight	27,586 Da
NCBI Official Full Name	chymase preproprotein
NCBI Official Synonym Full Names	chymase 1, mast cell
NCBI Official Symbol	Cma1
NCBI Official Synonym Symbols	Mcp5; Mcp-5; Mcpt5; MMCP-5
NCBI Protein Information	chymase
UniProt Protein Name	Chymase
UniProt Gene Name	Cma1
UniProt Synonym Gene Names	Mcpt5; mMCP-5

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/chymase-1-mast-cell-cma1/13955>