

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

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CATALOG #
AAA64146

REACTIVITY
Human

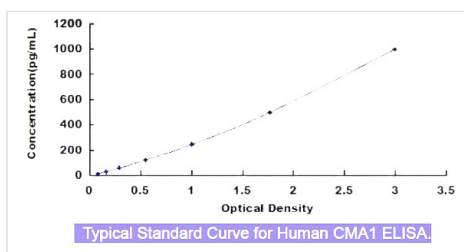
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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	136
Samples	Serum, plasma, tissue homogenates, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.6-1000pg/mL
Sensitivity	< 6.5pg/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	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CMA1 in human serum, plasma, tissue homogenates, cell lysates or other biological fluids. 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	815890846
NCBI GeneID	1215
NCBI Accession #	NP_001295012.1
NCBI GenBank Nucleotide #	NM_001308083.1
UniProt Accession #	P23946; Q16018; Q3SY36; Q3SY37; Q9UDH5; B5BUM8
Molecular Weight	14,893 Da
NCBI Official Full Name	chymase isoform 2
NCBI Official Synonym Full Names	chymase 1
NCBI Official Symbol	CMA1
NCBI Official Synonym Symbols	CYH; MCT1; chymase
NCBI Protein Information	chymase
UniProt Protein Name	Chymase
UniProt Gene Name	CMA1
UniProt Synonym Gene Names	CYH; CYM

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.