

Rabbit Mast Cell Chymase ELISA Kit | MCC elisa kit

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CATALOG #
AAA95078

REACTIVITY
Rabbit

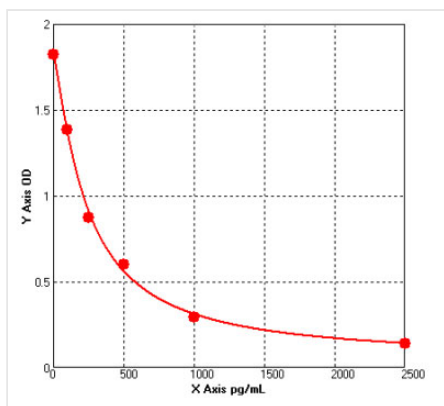
PRODUCT SYNONYMS

Mast Cell Chymase; Rabbit Mast Cell Chymase ELISA Kit; MCC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of CMA. No significant cross-reactivity or interference between CMA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CMA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCC elisa kit	Principle of the Assay: CMA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CMA antibody and an CMA-HRP conjugate. The assay sample and buffer are incubated together with CMA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CMA concentration since CMA from samples and CMA-HRP conjugate compete for the anti-CMA antibody binding site. Since the number of sites is limited, as more sites are occupied by CMA from the sample, fewer sites are left to bind CMA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CMA concentration in each sample is interpolated from this standard curve. Intended Uses: This CMA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit CMA. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	180542
NCBI GeneID	1215
Molecular Weight	27,325 Da
NCBI Official Full Name	mast cell chymase
NCBI Official Synonym Full Names	chymase 1, mast cell
NCBI Official Symbol	CMA1
NCBI Official Synonym Symbols	CYH; MCT1; chymase
NCBI Protein Information	chymase; alpha-chymase; chymase, heart; chymase, mast cell; mast cell protease I; chymase 1 preproprotein transcript E; chymase 1 preproprotein transcript I
UniProt Protein Name	Chymase
UniProt Gene Name	CMA1
UniProt Synonym Gene Names	CYH; CYM
UniProt Entry Name	CMA1_HUMAN

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.