

Mouse Mast Cell Chymase ELISA Kit | MCC elisa kit

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CATALOG #
AAA95995

REACTIVITY
Mouse

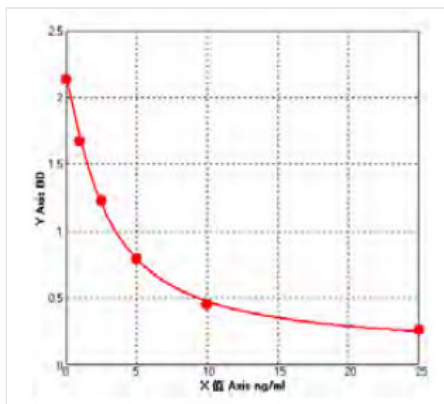
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MCC. No significant cross-reactivity or interference between MCC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MCC and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/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	Intended Uses: This MCC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MCC. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MCC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MCC antibody and an MCC-HRP conjugate. The assay sample and buffer are incubated together with MCC-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 MCC concentration since MCC from samples and MCC-HRP conjugate compete for the anti-MCC antibody binding site. Since the number of sites is limited, as more sites are occupied by MCC from the sample, fewer sites are left to bind MCC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MCC concentration in each sample is interpolated from this standard curve.
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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.