

Human mast cell tryptase, MCT ELISA Kit | MCT elisa kit

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CATALOG # AAA15150	REACTIVITY Human
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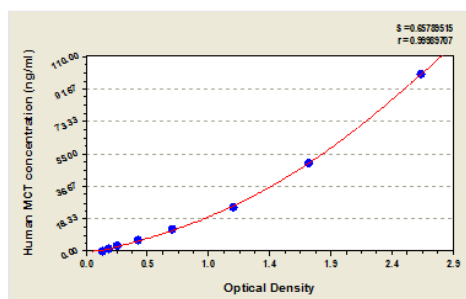
PRODUCT SYNONYMS

mast cell tryptase; MCT; Human mast cell tryptase; MCT ELISA Kit; MCT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MCT . No significant cross-reactivity or interference between human MCT and analogues was observed.
Sequence Length	505
Samples	Serum, plasma, tissue homogenates.
Assay Type	Sandwich
Detection Range	1.56 ng/ml -100 ng/ml.
Sensitivity	The minimum detectable dose of human MCT is typically less than 0.39 ng/ml.The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCT elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MCT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MCT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MCT is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MCT bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2463630
UniProt Accession #	O15375
Molecular Weight	54,994 Da
NCBI Official Full Name	MCT
UniProt Protein Name	Monocarboxylate transporter 6
UniProt Gene Name	SLC16A5
UniProt Synonym Gene Names	MCT5; MCT6; MCT 6; MCT 5
UniProt Entry Name	MOT6_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/mast-cell-tryptase-mct/15150>