

Mouse Mast Cell Tryptase (MCT) ELISA Kit | MCT elisa kit

Mouse Mast Cell Tryptase, MCT ELISA Kit

CATALOG #
AAA80134

REACTIVITY
Mouse

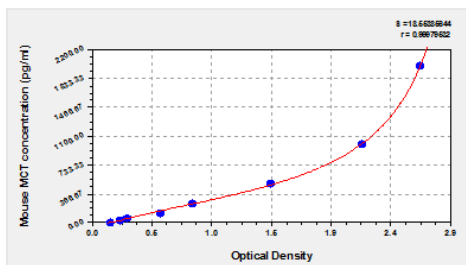
PRODUCT SYNONYMS

Mast Cell Tryptase (MCT); Mouse Mast Cell Tryptase; MCT ELISA Kit; Mouse Mast Cell Tryptase (MCT) ELISA Kit; MCT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse MCT. No significant cross-reactivity or interference between Mouse MCT and analogues was observed.
Sequence Length	505
Samples	Serum, plasma, cell culture supernates, tissue homogenates
Detection Range	31.25 pg/ml-2000 pg/ml
Sensitivity	7.8 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
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: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MCT. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for MCT and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain MCT, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of MCT 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 #	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/mouse-elisa-kits/mast-cell-tryptase-mct/80134>