

Mouse Mast cell tryptase ELISA Kit | MCT elisa kit

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CATALOG # AAA16106	REACTIVITY Mouse
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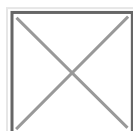
PRODUCT SYNONYMS

Mast cell tryptase; Mouse Mast cell tryptase ELISA Kit; MCT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of MCT. No significant cross-reactivity or interference between MCT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MCT 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	Competitive or Sandwich
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCT elisa kit	Intended Uses: This MCT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse MCT. This ELISA kit for research use only! Principle of the Assay: MCT ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MCT. Standards or samples are then added to the microtiter plate wells and MCT if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MCT present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for MCT are added to each well to "sandwich" the MCT immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MCT and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MCT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for MCT elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	2463630
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/mct-mouse-elisa-kits/mast-cell-tryptase/16106>