

Porcine Mast cell tryptase ELISA Kit | MCT elisa kit

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CATALOG #
AAA16918

REACTIVITY
Porcine

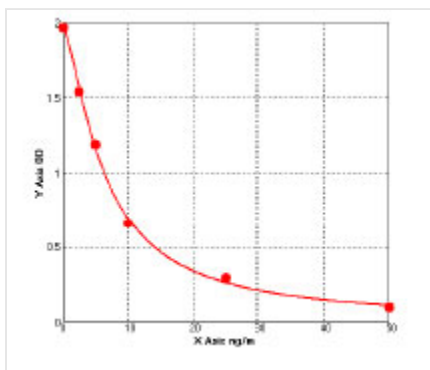
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Porcine
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.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intended Uses	This MCT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine MCT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MCT elisa kit	Principle of the Assay: MCT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MCT antibody and an MCT-HRP conjugate. The assay sample and buffer are incubated together with MCT-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 MCT concentration since MCT from samples and MCT-HRP conjugate compete for the anti-MCT antibody binding site. Since the number of sites is limited, as more sites are occupied by MCT from the sample, fewer sites are left to bind MCT-HRP conjugate. 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. Intended Uses: This MCT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine MCT. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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-porcine-elisa-kits/mast-cell-tryptase/16918>