

Sheep Mast cell tryptase ELISA Kit | MCT elisa kit

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CATALOG # AAA88553	REACTIVITY Sheep
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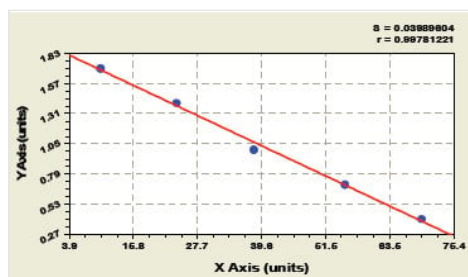
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This MCT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep 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 monoclonal 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.
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-sheep-elisa-kits/mast-cell-tryptase/88553>