

Human Mast cell tryptase ELISA Kit | MCT elisa kit

Human Mast cell tryptase (MCT) ELISA Kit

CATALOG #
AAA55873

REACTIVITY
Human

PRODUCT SYNONYMS

Mast cell tryptase; 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	274
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56 ng/mL - 100 ng/mL
Sensitivity	0.52 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for MCT elisa kit	Intended Uses: For the quantitative detection of Human Mast cell tryptase (MCT) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate MCT in Human serum, plasma. An 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, Streptavidin 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 #	556556
NCBI GeneID	29268
Molecular Weight	30,508 Da
NCBI Official Full Name	mast cell tryptase
NCBI Official Synonym Full Names	tryptase beta 2

NCBI Official Symbol	Tpsb2
NCBI Official Synonym Symbols	Mcpt6
NCBI Protein Information	tryptase beta-2
UniProt Protein Name	Tryptase beta-2
UniProt Gene Name	Tpsb2
UniProt Synonym Gene Names	Mcp6; Mcpt6; Tryptase-2; rMCP-6
UniProt Entry Name	TRYB2_RAT

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://www.aaabiotech.com/mct-human-elisa-kits/mast-cell-tryptase/55873>