

Rat tryptase alpha/beta 1 ELISA Kit | TPSAB1 elisa kit

Rat Mast Cell Tryptase, MCT ELISA Kit

CATALOG #
AAA15212

REACTIVITY
Rat

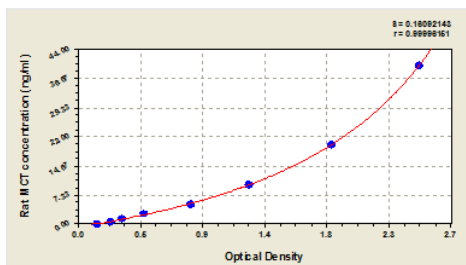
PRODUCT SYNONYMS

tryptase alpha/beta 1; Rat Mast Cell Tryptase; MCT ELISA Kit; TPS1; TPS2; TPSB1; mast cell alpha II tryptase; mast cell beta I tryptase; tryptase alpha II; tryptase beta 1; tryptase beta I; tryptase-I; tryptase-III; TPSAB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat MCT. No significant cross-reactivity or interference between rat MCT and analogues was observed.
Sequence Length	310
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, urine
Detection Range	0.625 ng/ml-40 ng/ml
Sensitivity	< 0.156 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 TPSAB1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. 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, avidin 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 #	194239635
NCBI GeneID	54271
NCBI Accession #	NP_062195.2
NCBI GenBank Nucleotide #	NM_019322.2
UniProt Accession #	P27435; P27436
Molecular Weight	30,400 Da
NCBI Official Full Name	tryptase
NCBI Official Synonym Full Names	tryptase alpha/beta 1
NCBI Official Symbol	Tpsab1
NCBI Official Synonym Symbols	Mcpt7; TPSB1; rMCP-7
NCBI Protein Information	tryptase; MMCP-7; tryptase, skin; tryptase beta 1; mast cell protease 7; tryptase alpha/beta-1
UniProt Protein Name	Tryptase
UniProt Gene Name	Tpsab1
UniProt Synonym Gene Names	Mcp7; Mcpt7; Tpsb1; rMCP-7
UniProt Entry Name	TRYB1_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://stage.aaabiotech.com/tpsab1-rat-elisa-kits/tryptase-alpha-beta-1/15212>