

Human Tryptase ELISA Kit | TPSAB1 elisa kit

Human Tryptase ELISA Kit

CATALOG #
AAA263095

REACTIVITY
Human

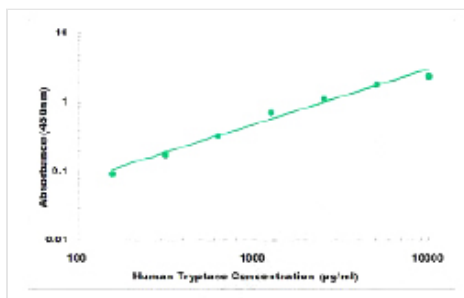
PRODUCT SYNONYMS

Tryptase; Human Tryptase ELISA Kit; TPSAB1; TPS1; TPS2; TPSB1; Tryptase alpha/beta-1; Tryptase-1; Tryptase I; Tryptase alpha-1; TPSB2; Tryptase beta-2; Tryptase-2; Tryptase II; TPSAB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Tryptase ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Tryptase proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	275
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPSAB1 elisa kit	Principle of the Assay: The Human Tryptase ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Tryptase in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human Tryptase coated on a 96-well plate. Standards and samples are pipetted into the wells and Tryptase present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Tryptase antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Tryptase bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background: Tryptases are serine proteases implicated in asthma and are highly expressed in human mast cells. They are derived from at least 4 nonallelic genes clustered on chromosome 16p13.3: TPSAB1, which represents the alpha and beta-I tryptase alleles; TPSB2, which represents the beta-II and beta-III tryptase alleles; TPSG1; and TPSD1. Elevated levels of serum tryptase occur in both anaphylactic and anaphylactoid reactions, but a negative test does not exclude anaphylaxis. Tryptase is less likely to be elevated in food allergy reactions as opposed to other causes of anaphylaxis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13775595
NCBI GeneID	7177
NCBI Accession #	NP_003285.2
NCBI GenBank Nucleotide #	NM_003294.3
UniProt Accession #	Q15661; P15157; Q15663; Q6B052; Q9H2Y4; Q9H2Y5; Q9UQI1; D2E6R9; D2E6S1
Molecular Weight	29,533 Da
NCBI Official Full Name	tryptase alpha/beta-1
NCBI Official Synonym Full Names	tryptase alpha/beta 1
NCBI Official Symbol	TPSAB1
NCBI Official Synonym Symbols	TPS1; TPS2; TPSB1
NCBI Protein Information	tryptase alpha/beta-1
UniProt Protein Name	Tryptase alpha/beta-1
UniProt Gene Name	TPSAB1
UniProt Synonym Gene Names	TPS1; TPS2; TPSB1; Tryptase-1
UniProt Entry Name	TRYB1_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.