

Human Tryptase/TPSAB1,B2 PicoKine ELISA Kit | TPSAB1 elisa kit

Human Tryptase/TPSAB1,B2 PicoKine ELISA Kit

CATALOG #
AAA46162

REACTIVITY
Human

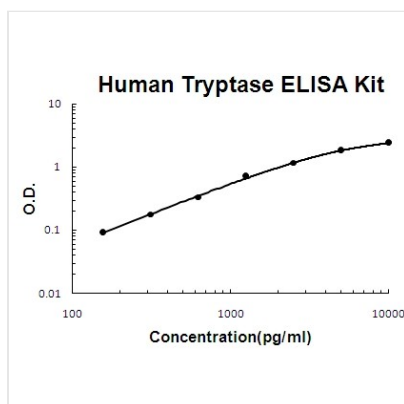
PRODUCT SYNONYMS

Tryptase/TPSAB1; B2 PicoKine; Human Tryptase/TPSAB1; B2 PicoKine ELISA Kit; Tryptase alpha/beta-1/beta-2; Tryptase-1; Tryptase1; Tryptase 1; TPS1; TPS2; TPSB1; Tryptase-2; Tryptase2; Tryptase 2; Tryptase-II; Tryptasell; Tryptase II; TPSB2; Tryptase alpha/beta-1; Tryptase beta-2; tryptase alpha/beta 1/beta 2; TPSAB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human Tryptase/TPSAB1,B2
Sequence Length	275
Samples	Cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<15pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

Human Tryptase PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TPSAB1 elisa kit	Principle of the Assay: The Human Tryptase/TPSAB1,B2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A specific for Tryptase/TPSAB1,B2 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: M1-V275) and test samples are added to the wells, a biotinylated detection specific for Tryptase/TPSAB1,B2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Tryptase/TPSAB1,B2 amount of sample captured in plate. Background/Introduction: 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.
---	--

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.