

Human Tryptase beta-2 (TPSB2) ELISA Kit | TPSB2 elisa kit

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CATALOG #
AAA330366

REACTIVITY
Human

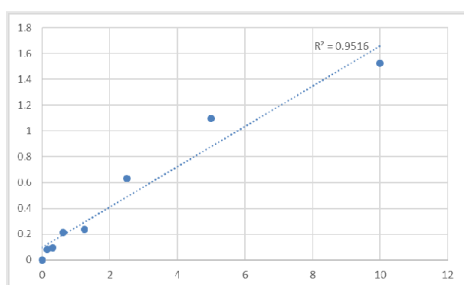
PRODUCT SYNONYMS

Tryptase beta-2 (TPSB2); Human Tryptase beta-2 (TPSB2) ELISA Kit; TPSB2; TPS2; tryptaseB; tryptaseC; OTTHUMP00000208944; mast cell tryptase beta; mast cell tryptase betal; tryptase; tryptasel; tryptase beta 2; tryptase beta; tryptase betal; TPSB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tryptase beta-2 (TPSB2) ELISA Kit has high sensitivity and excellent specificity for detection of Human TPSB2. No significant cross-reactivity or interference between Human TPSB2 and analogues was observed.
Sequence Length	275
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Tryptase beta-2 (TPSB2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TPSB2 elisa kit	Description: This Human Tryptase beta-2 (TPSB2) ELISA Kit employs a two-site sandwich ELISA to quantitate TPSB2 in samples. An antibody specific for TPSB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TPSB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TPSB2 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 TPSB2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Tryptases comprise a family of trypsin-like serine proteases, the peptidase family S1. Tryptases are enzymatically active only as heparin-stabilized tetramers, and they are resistant to all known endogenous proteinase inhibitors. TPSb2 is characteristic of tryptases but is unusual in other genes. The alleles of this gene exhibit an unusual amount of sequence variation, such that the alleles were once thought to represent two separate genes, beta II and beta III. Beta tryptases appear to be the main isoenzymes expressed in mast cells, whereas in basophils, alpha-tryptases predominate. Tryptases have been implicated as mediators in the pathogenesis of asthma and other allergic and inflammatory disorders.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13775595
NCBI GeneID	7177
NCBI Accession #	NP_003285.2
NCBI GenBank Nucleotide #	NP_003285.2
UniProt Accession #	P20231; Q15661
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; TPSB2; Tryptase-2
NCBI Protein Information	tryptase alpha/beta-1
UniProt Protein Name	Tryptase beta-2
UniProt Gene Name	TPSB2
UniProt Synonym Gene Names	TPS2; Tryptase-2
UniProt Entry Name	TRYB2_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.