

Human Tryptase (TPS) ELISA Kit | TPS elisa kit

Human Tryptase (TPS) Wide-range ELISA Kit

CATALOG #
AAA147530

REACTIVITY
Human

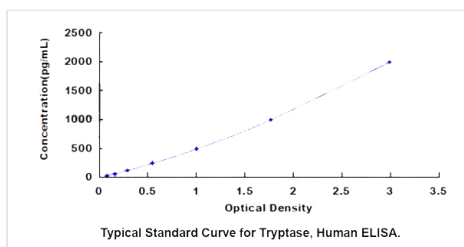
PRODUCT SYNONYMS

Tryptase (TPS); Human Tryptase (TPS) Wide-range ELISA Kit; TPSAB1; Tryptase Alpha/Beta 1; Tryptase Alpha II; Tryptase Beta I; Tryptase-I; Tryptase-II; Tryptase-III; TPS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of tryptase. No significant cross-reactivity or interference between tryptase and analogues was observed.
Sequence Length	275
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma and other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	< 12.6pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level tryptase were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level tryptase were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TPS elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to tryptase. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to tryptase. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain tryptase, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of tryptase in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of tryptase in human serum, plasma and other biological fluids.
Product Categories/Family for TPS elisa kit	Enzyme & Kinase; Infection immunity; Rheumatology

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

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.