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Datasheet for ABIN6720119
TPSAB1 ELISA Kit

Overview

Quantity:	1 kit
Target:	TPSAB1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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</p> <p>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 trypsin alleles, TPSB2, which represents the beta-II and beta-III trypsin alleles, TPSG1, and TPSD1. Elevated levels of serum trypsin 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</p>

Product Details

to other causes of anaphylaxis.

Gene Name: Tryptase

Production: Natural and recombinant human Tryptase. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: M1-V275

Target Details

Target: TPSAB1

Alternative Name: Tryptase - TPSAB1,B2 ([TPSAB1 Products](#))

Gene ID: 7177

NCBI Accession: [NP_003285](#)

UniProt: [Q15661](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human Tryptase standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human Tryptase standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10000pg/mL

Other Performance Data: DOE: 2-8° C - 04/15/19 -20° C - 10/15/19

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT,4 °C,-20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only

Handling

prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.