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Datasheet for KOA0539

Human Tryptase - TPSAB1 B2 ELISA Kit

Overview

Description:	Human Tryptase/TPSAB1,B2 AccuSignal ELISA Kit - KOA0539
Item No.:	KOA0539
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10000 pg/ml

Product Details

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.
Synonyms:	Tryptase-1, Tryptase1, Tryptase 1, TPS1, TPS2, TPSB1, Tryptase-2, Tryptase2, Tryptase 2, Tryptase-II, TryptaseII, Tryptase II, TPSB2, Tryptase alpha/beta-1, Tryptase beta-2
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<15 pg/ml

Target Details

Gene Name:	TRYPTASE, TPSAB1, B2
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: M1-V275
Purity/Specificity:	Natural and recombinant human Tryptase. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- SDS
- UniProtKB - Q15661
- NCBI - NP_003285.2
- GeneID - 7177
- KOA0539 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	156pg/ml-10000pg/ml
Other:	DOE: 2-8° C - 01/28/2027 -20° C - 07/29/2027

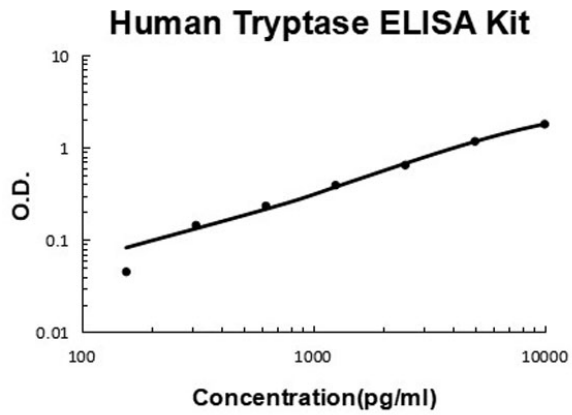
Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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 prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA
Human Tryptase/TPSAB1,B2 ELISA Kit standard curve.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.