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Datasheet for KOA0358

Human TNF beta ELISA Kit

Overview

Description:	Human TNF beta AccuSignal ELISA Kit - KOA0358
Item No.:	KOA0358
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

Background:	Tumor necrosis factor-beta(TNF-beta), previously called lymphotoxin-alpha(LTA), is a cytokine produced by lymphocytes. TNF-alpha and TNF-beta share 35% identity and 50% homology in the amino acid sequence. The substance LTA mediates a wide variety of inflammatory, immunostimulatory, and antiviral responses. LTA is associated with susceptibility to myocardial infarction, asthma and other diseases. The LTA gene is located on human chromosome 6. The standard product used in this kit is recombinant protein, consisting of 172 amino acids with the molecular mass of 18.8KDa.
Synonyms:	Coley's toxin, DAMA-25N12.13-004, DIF, Differentiation inducing factor, Hemorrhagic factor, LT, LT alpha, LT-alpha, Lta, LTalpha, Lymphotoxin alpha, Lymphotoxin alpha (TNF superfamily, member 1), Lymphotoxin-alpha, Natural killer cytotoxic factor, Necrosin, NKCF, TNF B, TNF superfamily member 1, TNF-beta, TNFB, TNFB_HUMAN, TNFbeta, TNFSF 1, TNFSF1, Tumor necrosis factor beta, Tumor necrosis factor ligand superfamily member 1, Tumor necrosis factor superfamily member 1
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<5 pg/ml

Target Details

Gene Name:	LTA
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: L35-L205
Purity/Specificity:	Natural and recombinant human TNF beta. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P01374 • NCBI - NP_000586.2 • GeneID - 4049 • KOA0358 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 4000pg/ml, 2000pg/ml,1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml human TNF beta 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, citrate) to each empty well. It is recommended that each human TNF beta 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.

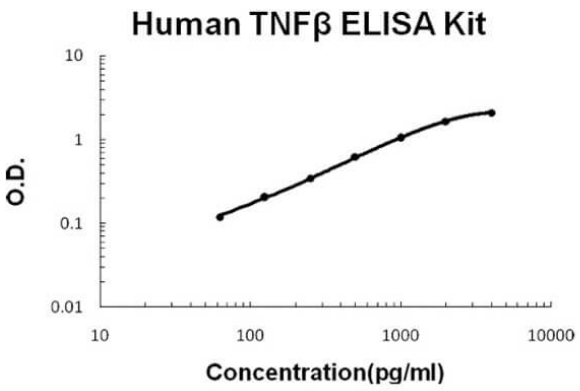
Formulation

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 TNF beta AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <5pg/ml.

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.