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Datasheet for KOA0257

Human MIP-1 alpha ELISA Kit

Overview

Description:	Human MIP-1 alpha AccuSignal ELISA Kit - KOA0257
Item No.:	KOA0257
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Macrophage inflammatory protein-1 alpha(MIP-1 alpha), also called CCL3, LD78. The cDNA for MIP-1 alpha predicts a mature peptide of 69 amino acids with a molecular mass of 7,889 daltons. LD78 is a member of a newly identified superfamily of small inducible proteins involved in inflammatory responses, wound healing and tumorigenesis. MIP-1 alpha is a chemokine that has pro-inflammatory and stem cell inhibitory activities in vitro. It constitutes an important second signal for mast cell degranulation in the conjunctiva in vivo and consequently for acute-phase disease. The standard product used in this kit is recombinant human MIP-1alpha, consisting of 66 amino acids with the molecular mass of 7.5kDa.
Synonyms:	C C motif chemokine 3, CCL3, CCL3_HUMAN, Chemokine ligand 3, Chemokine ligand 3, G0/G1 switch regulatory protein 19 1, G0/G1 switch regulatory protein 19-1, G0S19 1, Heparin binding chemotaxis protein, LD78-alpha, Macrophage inflammatory protein 1 alpha, Macrophage inflammatory protein 1-alpha, MIP 1 alpha, MIP-1-alpha, MIP-1-alpha, MIP1A, PAT 464.1, SCYA 3, SCYA3, SIS alpha, SIS beta, SIS-beta, Small inducible cytokine A3, Tonsillar lymphocyte LD78 alpha protein
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CCL3
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: A27-A92
Purity/Specificity:	Natural and recombinant human MIP-1 alpha. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - A0N0R1 • NCBI - NP_002974.1 • GeneID - 6348 • KOA0257 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml human MIP-1 alpha 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 MIP-1 alpha 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.

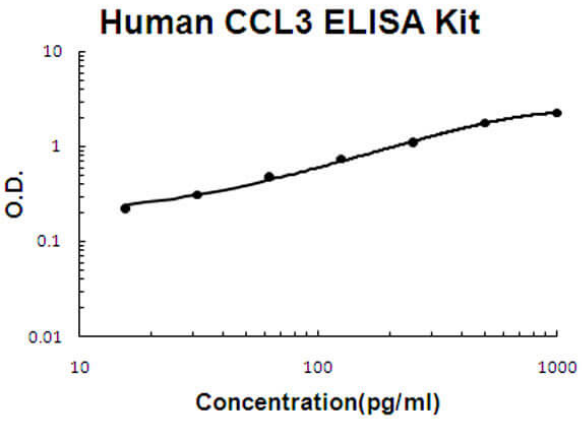
Formulation

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 MIP-1 alpha AccuSignal ELISA Kit standard curve.
Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <10pg/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.