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Datasheet for KOA0159

Human Eotaxin ELISA Kit

Overview

Description:	Human Eotaxin AccuSignal ELISA Kit - KOA0159
Item No.:	KOA0159
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Eotaxin, also known as CCL11, is a potent inducer of eosinophil chemotaxis and is considered as a selective ligand of the CC chemokine receptor 3(CCR3), which is expressed on eosinophils, basophils, and Th2 lymphocytes. Eotaxin is assumed to be involved in eosinophilic inflammatory diseases such as atopic dermatitis, allergic rhinitis, asthma and parasitic infections. The gene maps to chromosome 17 and is expressed constitutively at high levels in small intestine and colon, and at lower levels in various other tissues. The deduced mature protein sequence is 66% identical to human monocyte chemoattractant protein-1, and 60% identical to guinea pig eotaxin. Recombinant human eotaxin produced in insect cells induces a calcium flux response in normal human eosinophils, but not in neutrophils or monocytes. The human eotaxin gene is cloned and found to be 61.8 and 63.2% identical at the amino acid level to guinea pig and mouse eotaxin.
Synonyms:	C-C motif chemokine 11, CCL 11, CCL11, CCL11_HUMAN, Chemokine (C-C motif) ligand 11, Chemokine C C motif ligand 11, Chemokine CC Motif Ligand 11, Chemokine ligand 11, Eosinophil Chemotactic P, Eosinophil chemotactic protein, Eotaxin, Eotaxin 1, MGC22554, SCYA 11, SCYA11, Small inducible cytokine A11, Small inducible cytokine subfamily A (Cys Cys) member 11, Small inducible cytokine subfamily A member 11, Small-inducible cytokine A11
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	CCL11

Reactivity:	Human
Immunogen:	Expression system for standard: E.coli; Immunogen sequence: G24-P97
Purity/Specificity:	Natural and recombinant human Eotaxin. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P51671 • NCBI - NP_002977.1 • GeneID - 6356 • KOA0159 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 Eotaxin 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 (citrate, EDTA) to each empty well. It is recommended that each human Eotaxin 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:	15.6pg/ml-1000pg/ml
Other:	DOE: 2-8° C - 12/12/20 -20° C - 06/13/21

Formulation

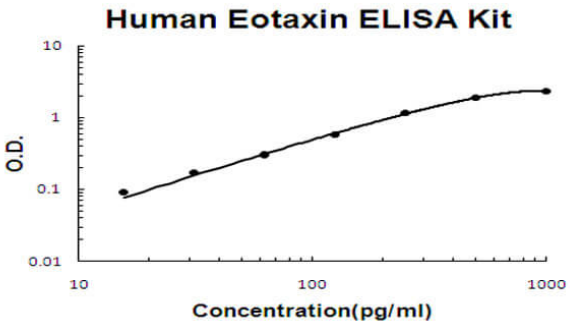
Concentration:	1 Kit
Anticoagulant:	Sodium Citrate

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 Eotaxin AccuSignal ELISA standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <2pg/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.