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Datasheet for KOA0598

Human IL-28A ELISA Kit

Overview

Description:	Human IL-28A AccuSignal ELISA Kit - KOA0598
Item No.:	KOA0598
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	125 pg/ml - 8000 pg/ml

Product Details

Background:	Interferon lambda-2, also called IFNL2 or IL28A is a class II cytokine receptor ligand related to type I interferons. This gene is mapped to 19q13.2. This gene encodes a cytokine distantly related to type I interferons and the IL-10 family. This gene, interleukin 28B(IL28B), and interleukin 29(IL29) are three closely related cytokine genes that form a cytokine gene cluster. It up-regulates MHC class I antigen expression. It also displays antitumor activity. The ligand/receptor complex seems to signal through the Jak-STAT pathway. This gene seems not to be essential for early virus-activated host defense in vaginal infection, but plays an important role in Toll-like receptor(TLR)-induced antiviral defense. It seems play a significant role in the antiviral immune defense in the intestinal epithelium.
Synonyms:	Cytokine ZCYTO20, EG330496, IFN-lambda-2, IFNL2, IL 28A, IL-28A, IL28A, IL28A_HUMAN, Interferon lambda 2, Interferon lambda-2, Interleukin 28A, Interleukin-28A
Detection Kit Type:	ELISA Kit
Detection Range:	125 pg/ml - 8000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IFNL2
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: V26-V200

Purity/Specificity:	Natural and recombinant human IL-28A. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q8IZJ0 • NCBI - NP_742150.1 • GeneID - 282616 • KOA0598 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 8000pg/ml, 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml human IL-28A 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 IL-28A 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.

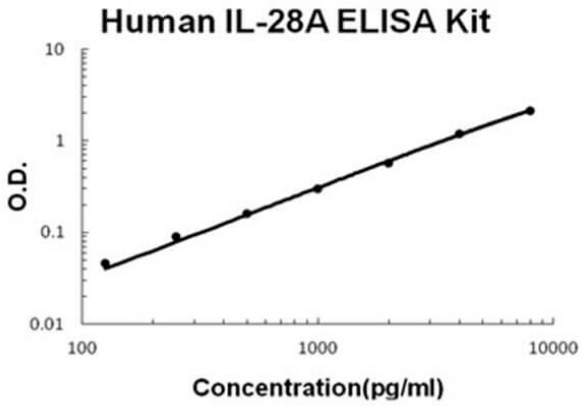
Formulation

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 IL-28A AccuSignal ELISA Kit standard curve. Assay Range: 125pg/ml-8000pg/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.