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Datasheet for KOA0212

Human IL1R1 ELISA Kit

Overview

Description:	Human IL1R1 AccuSignal ELISA Kit - KOA0212
Item No.:	KOA0212
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	125 pg/ml - 8000 pg/ml

Product Details

Background:	Interleukin 1 receptor, type I(IL1R1), also known as CD121a(Cluster of Differentiation 121a), is an interleukin receptor. The protein encoded by this gene is a cytokine receptor that belongs to the interleukin-1 receptor family. IL1R1 along with interleukin 1 receptor, type II(IL1R2), interleukin 1 receptor-like 2(IL1RL2), and interleukin 1 receptor-like 1(IL1RL1) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. This protein is a receptor for interleukin 1 alpha(IL1A), interleukin 1 beta(IL1B), and interleukin 1 receptor antagonist(IL1RA). It is an important mediator involved in many cytokine induced immune and inflammatory responses.
Synonyms:	IL-1R-1, IL-1RT-1, IL-1RT1, CD121 antigen-like family member A, Interleukin-1 receptor alpha, IL-1R-alpha, Interleukin-1 receptor type I, p80, CD_antigen: CD121a, L1R, IL1RA, IL1RT1, CD121A, D2S1473
Detection Kit Type:	ELISA Kit
Detection Range:	125 pg/ml - 8000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL1R1
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: D21-T332

Purity/Specificity:	Natural and recombinant human IL1R1. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P14778 • NCBI - NP_000868.1 • GeneID - 3554 • KOA0212 Protocol

Application Details

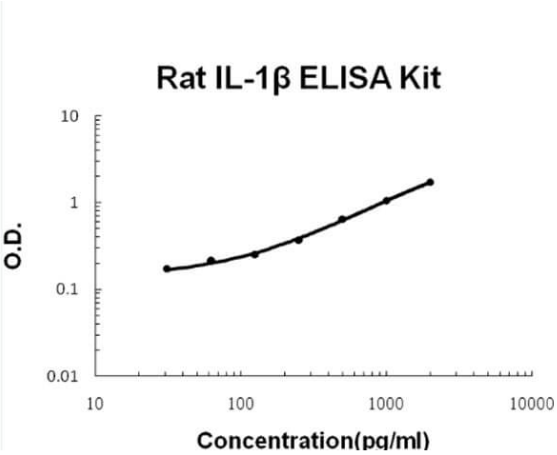
Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 8000pg/ml, 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml human IL1R1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates or serum to each empty well. It is recommended that each human IL1R1 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

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 IL1R1 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.