

Datasheet for KOA0213**Human IL1R2 ELISA Kit****Overview**

Description:	Human IL1R2 AccuSignal ELISA Kit - KOA0213
Item No.:	KOA0213
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	Interleukin 1 receptor, type II(IL1R2) also known as CD121b(Cluster of Differentiation 121b) is an interleukin receptor. The protein encoded by this gene is a cytokine receptor that belongs to the interleukin-1 receptor family. It is mapped to 2q11.2. IL1R2 binds interleukin alpha(IL1A), interleukin beta(IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. IL1R2 also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. The secreted IL1R2 recruits secreted IL1RAP with high affinity, and this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.
Synonyms:	IL1 Receptor II, Antigen CDw121b, CD121, CD121 antigen-like family member B, CD121b, CD121B Antigen, CDw121b, IL-1R-2, IL-1R-beta, IL-1R2, IL-1RT-2, IL-1RT2, IL1 R2, IL1 receptor beta chain, IL1R beta, IL1r-2 IL1R2, IL1R2_HUMAN, IL1RB, Interleukin 1 receptor type II precursor, Interleukin 1 receptor type II, Interleukin-1 receptor beta, Interleukin-1 receptor type 2, Interleukin-1 receptor type II, p68, Type II interleukin 1 receptor beta, Type II interleukin-1 receptor beta
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL1R2
Reactivity:	Human

Immunogen:	Expression system for standard: sf21; Immunogen sequence: F14-E343
Purity/Specificity:	Natural and recombinant human IL1R2. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P27930 • NCBI - NP_001248348.1 • GenelD - 7850 • KOA0213 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human IL1R2 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 IL1R2 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.
Other:	DOE: 2-8° C - 05/26/2022 -20° C - 11/24/2022

Formulation

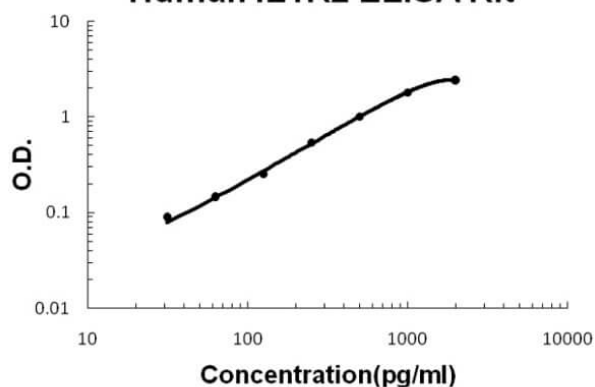
Concentration:	1 Kit
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Shipping & Handling

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

Human IL1R2 ELISA Kit



ELISA

Human IL1R2 AccuSignal ELISA Kit standard curve. Assay
Range: 31.2pg/ml-2000pg/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.