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Datasheet for KOA0744

Human IL-18R1 ELISA Kit

Overview

Description:	Human IL-18R1 AccuSignal ELISA Kit - KOA0744
Item No.:	KOA0744
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	The interleukin-18 receptor 1(IL-18R1), also known as CDw218a(cluster of differentiation w218a) or IL18RA, is an interleukin receptor of the immunoglobulin superfamily. The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This gene along with four other members of the interleukin 1 receptor family, including IL1R2, IL1R1, ILRL2(IL-1Rrp2), and IL1RL1(T1/ST2), form a gene cluster on chromosome 2q. This receptor specifically binds interleukin 18(IL18), and is essential for IL18 mediated signal transduction. IFN-alpha and IL12 are reported to induce the expression of this receptor in NK and T cells.
Synonyms:	CD218 antigen-like family member A, CD218a, CDw218a, CDw218a antigen, IL 1Rrp, IL-18R-1, IL-18R1, IL-1Rrp, IL1 receptor related protein, IL1 receptor-related protein, IL18R_HUMAN, IL18R1, IL18RA, Il18ralpha, IL1R-rp, IL1RRP, Interleukin 18 receptor 1, Interleukin 18 receptor alpha chain, Interleukin-18 receptor 1
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	IL18R1
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: C22-R329

Purity/Specificity:	Natural and recombinant human IL-18R1. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q13478 • NCBI - NP_001269328.1 • GeneID - 8809 • KOA0744 Protocol

Application Details

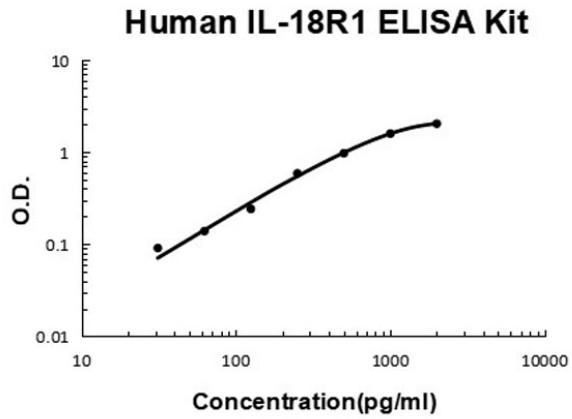
Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human IL-18R1 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample 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-18R1 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: 06/04/2020 at 4°C 12/03/2020 at -20°C

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 IL-18R1 ELISA Kit standard curve.

Disclaimer

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