

ARG83309 Human IL10R subunit beta ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83309 Human IL10R subunit beta ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human IL10R subunit beta in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	IL10R subunit beta
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	80 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 5.3% Inter-Assay CV: 7.0%
Alternate Names	Cytokine receptor family 2 member 4; CRFB4; IL-10RB; CRF2-4; Interleukin-10 receptor subunit 2; IL-10R2; D21S66; CD antigen CDw210b; IL-10R subunit 2; Interleukin-10 receptor subunit beta; D21S58; Cytokine receptor class-II member 4; CDW210B; IL-10R subunit beta; IL-10 receptor subunit beta

Application Instructions

Assay Time	~ 5 hours
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Properties

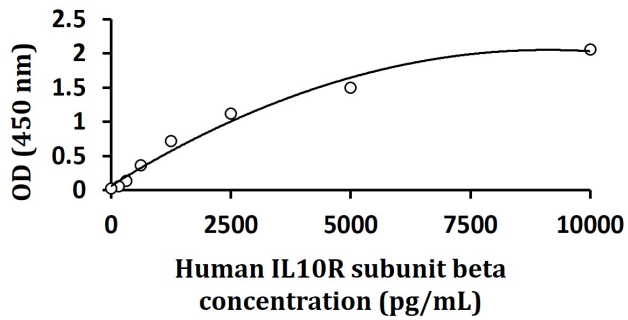
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	IL10RB
Gene Full Name	interleukin 10 receptor, beta
Background	The protein encoded by this gene belongs to the cytokine receptor family. It is an accessory chain essential for the active interleukin 10 receptor complex. Coexpression of this and IL10RA proteins has been shown to be required for IL10-induced signal transduction. This gene and three other interferon receptor genes, IFAR2, IFNAR1, and IFNGR2, form a class II cytokine receptor gene cluster located in a small region on chromosome 21. [provided by RefSeq, Jul 2008]

Function	Shared cell surface receptor required for the activation of five class 2 cytokines: IL10, IL22, IL26, IL28, and IFNL1. The IFNLR1/IL10RB dimer is a receptor for the cytokine ligands IFNL2 and IFNL3 and mediates their antiviral activity. The ligand/receptor complex stimulate the activation of the JAK/STAT signaling pathway leading to the expression of IFN-stimulated genes (ISG), which contribute to the antiviral state. [UniProt]
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG83309 Human IL10R subunit beta ELISA Kit standard curve image

ARG83309 Human IL10R subunit beta ELISA Kit results of a typical standard run with optical density reading at 450 nm.
