

# Product datasheet

info@arigobio.com

## 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

#### **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]

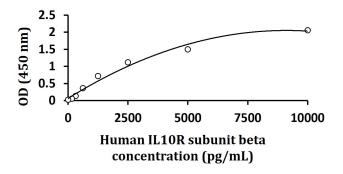
Function Shared cell surface receptor required for the activation of five class 2 cytokines: IL10, IL22, IL26, IL28,

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.