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Datasheet for ABIN7196366
IL10RB Protein (His tag,Fc Tag)

Overview

Quantity:	100 µg
Target:	IL10RB
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL10RB protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Human IL10RB/IL10R2 Protein (His & Fc Tag)(Active)
Sequence:	Met 1-Ser 220
Characteristics:	DNA sequence encoding the extracellular domain (Met 1-Ser 220) of human IL10Rβ (NP_000619.3) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 92 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized human IL28B at 20 µg/ml (100 µl/well) can bind human IL10RB-Fc with a linear ranger of 3.125-25 µg/ml.

Target Details

Target:	IL10RB
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Target Details

Alternative Name: IL10RB/IL10R2 ([IL10RB Products](#))

Background: Background: Interleukin 10 receptor, beta subunit (IL10RB/IL-10RB) also known as Cytokine receptor family 2 member 4, Interleukin-10 receptor subunit 2, and cytokine receptor family II, member 4, is a subunit for the interleukin-10 receptor. IL10RB/IL-10RB 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. Defects in IL10RB/IL-10RB are the cause of inflammatory bowel disease type 25 (IBD25). It is a chronic, relapsing inflammation of the gastrointestinal tract with a complex etiology. It is subdivided into Crohn disease and ulcerative colitis phenotypes. Crohn disease may affect any part of the gastrointestinal tract from the mouth to the anus, but most frequently it involves the terminal ileum and colon. Bowel inflammation is transmural and discontinuous, it may contain granulomas or be associated with intestinal or perianal fistulas. In contrast, in ulcerative colitis, the inflammation is continuous and limited to rectal and colonic mucosal layers, fistulas and granulomas are not observed. Both diseases include extraintestinal inflammation of the skin, eyes, or joints.

Synonym: CDW210B,CRF2-4,CRFB4,D21S58,D21S66,IL-10R2,Interleukin-10 receptor subunit beta(IL10RB),Cytokine receptor class-II member 4,Cytokine receptor family 2 member 4,Interleukin-10 receptor subunit 2

Molecular Weight: 51.7 kDa

NCBI Accession: [NP_000619](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.