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Datasheet for ABIN7319569
IL-10RA Protein (His tag)

Overview

Quantity:	50 µg
Target:	IL-10RA (IL10RA)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-10RA protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human IL10-RA/IL-10 Ra Protein (His Tag)
Sequence:	His22-Asn235
Characteristics:	Recombinant Human IL10-RA is produced by our Mammalian expressionsystem and the target gene encoding His22-Asn235 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL-10RA (IL10RA)
Alternative Name:	IL10-RA/IL-10 Ralpha (IL10RA Products)
Background:	Background: Interleukin-10 Receptor alpha (IL-10Rα) is a transmembrane glycoprotein member of the class II cytokine receptor family. Mature human IL-10 Ra consists of a 214 amino acid (aa) extracellular domain (ECD), a 21 aa transmembrane segment, and a 322 aa cytoplasmic

Target Details

domain. Within the ECD, human IL-10 R α shares 59 % aa sequence identity with mouse and rat IL-10R α . IL-10 R α is required for mediating the effects of IL-10, a critical molecule in the control of microbial infections, allergic and autoimmune inflammation, and cancer. IL-10R α is the ligand specific subunit of the IL-10 receptor complex. Noncovalent dimers of IL-10 bind to IL-10 R α , resulting in the recruitment of IL-10 R β . Immunosuppressive signal transduction through the IL-10 receptor complex can be inhibited by activation of TLR2, 4, or 9, enabling strengthened immune responses during infection. Polymorphisms of human IL-10 R α may limit viral immune evasion by retaining full responsiveness to human IL-10 but responding weakly to the cytomegalovirus homolog of IL10.

Synonym: Interleukin-10 receptor subunit alpha, IL-10 receptor subunit alpha, IL-10R subunit alpha, IL-10RA, CDw210a, Interleukin-10 receptor subunit 1, IL-10R subunit 1, IL-10R1, CD210, IL10RA, IL-10RA

Molecular Weight: 25.2 kDa

UniProt: [Q13651](#)

Pathways: [Growth Factor Binding](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 μ m filtered solution of 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.