

Active Recombinant Human IL10RA, MIgG2a Fc-tagged

Cat. No. IL10RA-211H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human IL-10 (NP_000563.1)(Ser19-Lys178) (Glu151Lys) is fused to the N-terminus of the Fc region of mouse Ig2a was expressed in CHO cell
Species	Human
Source	CHO
ProteinLength	19-178 a.a.
Description	The protein encoded by this gene is a receptor for interleukin 10. This protein is structurally related to interferon receptors. It has been shown to mediate the immunosuppressive signal of interleukin 10, and thus inhibits the synthesis of proinflammatory cytokines. This receptor is reported to promote survival of progenitor myeloid cells through the insulin receptor substrate-2/PI 3-kinase/AKT pathway. Activation of this receptor leads to tyrosine phosphorylation of JAK1 and TYK2 kinases. Two transcript variants, one protein-coding and the other not protein-coding, have been found for this gene.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Bioactivity demonstrated in cytokine synthesis inhibition assay, measuring inhibition of IL-6 production by PU5-1 cells.
Molecular Mass	45 KDa (monomer)

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AA Sequence	Ser19-Lys178
Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	IL10RA interleukin 10 receptor, alpha [Homo sapiens]
Official Symbol	IL10RA
Synonyms	IL10RA; interleukin 10 receptor, alpha; IL10R; interleukin-10 receptor subunit alpha; CD210; CD210a; CDW210A; HIL 10R; IL-10RA; IL-10R subunit 1; IL-10R subunit alpha; IL-10 receptor subunit alpha; interleukin-10 receptor subunit 1; interleukin-10 receptor alpha chain; HIL-10R; IL-10R1;
Gene ID	3587
mRNA Refseq	NM_001558
Protein Refseq	NP_001549
MIM	146933

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UniProt ID	Q13651
Chromosome Location	11q23
Pathway	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem; Toxoplasmosis, organism-specific biosystem; Toxoplasmosis, conserved biosystem; Tuberculosis, organism-specific biosystem;
Function	interleukin-10 receptor activity; protein binding; receptor activity; signal transducer activity;

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