

Active Recombinant Human IL10RB, MIgG2a Fc-tagged

Cat. No. IL10RB-201H Lot. No. (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human IL10RB (20-220aa) is fused to the N-terminus of the Fc region of mouse IgG2a was expressed in CHO cell.
Species	Human
Source	CHO
ProteinLength	19-178 a.a.
Description	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
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)
AA Sequence	Glu151Lys

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Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test=""="">
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	IL10RB interleukin 10 receptor, beta [Homo sapiens]
Official Symbol	IL10RB
Synonyms	IL10RB; interleukin 10 receptor, beta; CRFB4, D21S58, D21S66; interleukin-10 receptor subunit beta; CDW210B; CRF2 4; IL 10R2; IL-10RB; IL-10R subunit 2; IL-10R subunit beta; IL-10 receptor subunit beta; cytokine receptor class-II CRF2-4; interleukin-10 receptor subunit 2; cytokine receptor class-II member 4; cytokine receptor family 2 member 4; cytokine receptor family II, member 4; CRFB4; CRF2-4; D21S58; D21S66; IL-10R2;
Gene ID	3588
mRNA Refseq	NM_000628
Protein Refseq	NP_000619
MIM	123889

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UniProt ID	Q08334
Chromosome Location	21q22.11
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	contributes_to interleukin-10 receptor activity; protein binding; receptor activity;

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