

Recombinant Human Interleukin 12 Receptor, Beta 1

Cat. No. IL12RB1-1649H Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	Mammalian Cells
Description	<p>Interleukin 12 receptor, beta 1 (IL12RB1) also known as CD212 (cluster of differentiation 212) is a subunit of the interleukin 12 receptor. IL12RB1 is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. This protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. IL-12 Rβ1 defect is generally associated with selective susceptibility to weakly pathogenic mycobacteria and Salmonella species.</p>
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Molecular Weight	<p>The predicted molecular weight of Recombinant Human IL-12 Rβ1 is Mr 84.5 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 110 kDa.</p>
Storage And Stability	<p>This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated</p>

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Freeze Thaw Cycles.

GENE INFORMATION

Gene Name	IL12RB1 interleukin 12 receptor, beta 1 [Homo sapiens]
Synonyms	interleukin 12 receptor, beta 1; CD212; IL12RB; MGC34454; IL-12R-BETA1; IL12RB1; IL-12 receptor beta component; interleukin-12 receptor beta-1 chain; IL-12R-beta-1; IL-12RB1; IL12R; CD212 antigen; Interleukin-12 receptor beta
Gene ID	3594
mRNA Refseq	NM_005535
Protein Refseq	NP_005526
MIM	601604
UniProt ID	P42701
Chromosome Location	19p13.1
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway
Function	cytokine receptor activity

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