Recombinant Human Interleukin 12 Receptor, Beta 1

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

SPECIFICATION

Product Overview	
Species	Human
Source	Mammalian Cells
Description	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.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/μg as determined by the LAL method.
Molecular Weight	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.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -

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	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 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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