Human IL-12 R beta 1/CD212 Protein

Cat. No. ILR-HM212

Description

Source	Recombinant Human IL-12 R beta 1/CD212 Protein is expressed from HEK293 with hFc tag at the C-terminus.
	It contains Cys24-Glu540.
Accession	P42701-1
Molecular Weight	The protein has a predicted MW of 83.85 kDa. Due to glycosylation, the protein migrates to 95-115 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

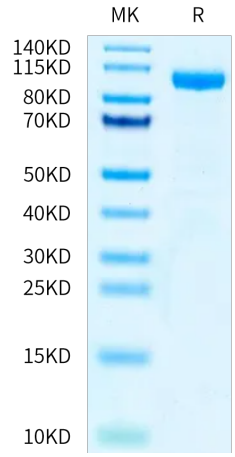
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Human IL12RB1 is an autosomal gene that is essential for mycobacterial disease resistance and T cell differentiation. Lung and T cell IL12RB1 expression is allele-biased, and the extent to which cells express one IL12RB1 allele is unaffected by activation. Furthermore following its expression the IL12RB1 pre-mRNA is processed into either IL12RB1 Isoform 1 (IL12Rβ1, a positive regulator of IL12 responsiveness) or IL12RB1 Isoform 2 (a protein of heretofore unknown function).

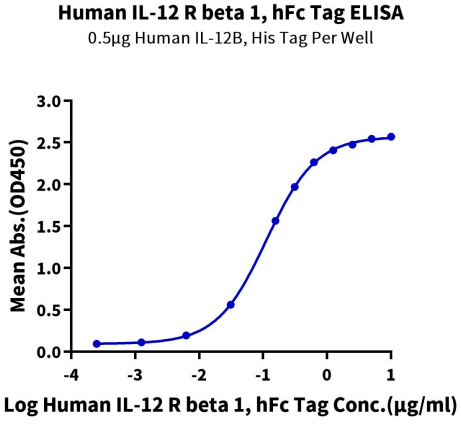
Assay Data

Bis-Tris PAGE



Human IL-12 R beta 1 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data



Immobilized Human IL-12B, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Human IL-12 R beta 1, hFc Tag with the EC50 of 0.11μg/ml determined by ELISA.