

Recombinant Human IL-12 R beta 1/CD212 Protein, His Tag

产品信息

产品名称	产品编号	规格
Recombinant Human IL-12 R beta 1/CD212 Protein, His Tag	93963ES25	25 µg
	93963ES60	100 µg
	93963ES76	500 µg

产品简介

Human IL12RB1 is an autosomal gene that is essential for mycobacterial disease resistance and T cell differentiation. 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).

性能参数

Synonyms	IL-12R-beta-1; IL-12RB1; IL12R; IL12RB; CD212; IL-12R subunit beta-1; IL-12R-BETA1; MGC34454;IL-12R-β-1; IL-12R subunit β-1; IL-12R-β1
Uniprot No.	P42701-1
Source	Recombinant Human IL-12 R beta 1/CD212 Protein is expressed from HEK293 cells with His tag at the C-terminal. It contains Cys24-Glu540.
Molecular Weight	The protein has a predicted MW of 58.2 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on SDS-PAGE result.
Purity	> 95% as determined by SDS-PAGE and HPLC.
Endotoxin	<1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Dissolve lyophilized protein with sterile water to ensure the concentration is greater than 100 µg/mL.

储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3 months, -25~-15°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.

产品数据

SDS-PAGE



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

SEC-HPLC

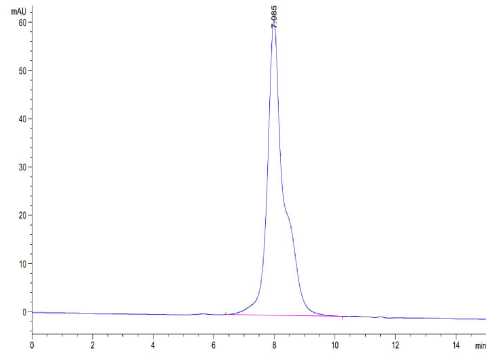


Figure 2. The purity of Human IL-12 R beta 1 is greater than 95% as determined by SEC-HPLC.

SPR

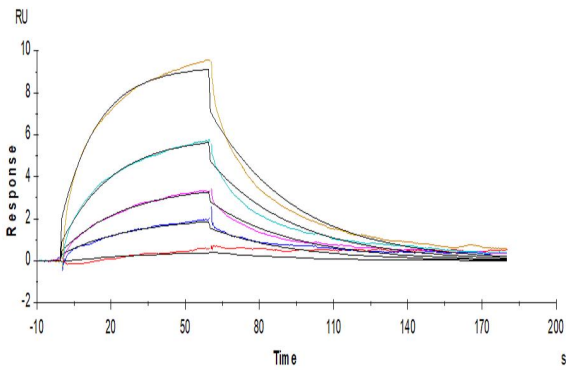


Figure 3. Human IL-12B, His Tag immobilized on CM5 Chip can bind Human IL-12 R beta 1, His Tag with an affinity constant of 98.1 nM as determined in a SPR assay (Biacore T200).