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Datasheet for ABIN7275026

IL-2 R beta & IL-2 R gamma (AA 27-240) protein (Fc Tag)

5 Images

Overview

Quantity:	100 µg
Target:	IL-2 R beta & IL-2 R gamma
Protein Characteristics:	AA 27-240
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	Fc Tag

Product Details

Purpose:	Human IL-2 R beta & IL-2 R gamma Protein
Sequence:	Ala27-Thr240 (IL-2 R beta) & Leu23-Ala262 (IL-2 R gamma)
Specificity:	Uni-Prot: P14784 (IL-2 R beta), P31785-1 (IL-2 R gamma)
Characteristics:	Recombinant Human IL-2 R beta & IL-2 R gamma Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Ala27-Thr240 (IL-2 R beta) & Leu23-Ala262 (IL-2 R gamma).
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-15RA&IL-15, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human IL-2 R beta&IL-2 R gamma, hFc Tag with the EC50 of 0.11µg/ml determined by ELISA. The affinity constant of 0.114 nM as determined in SPR assay (Biacore T200). See

Product Details

testing image for detail.

Target Details

Target:	IL-2 R beta & IL-2 R gamma
Background:	Wilms' tumor 1 (WT1) is a transcription factor which plays a major role in cell proliferation, differentiation, survival, and apoptosis. WT1 was first identified as a tumor suppressor gene in Wilms' tumor. The expression of survival signaling genes, IL-2, IL-2RB, and IL-2RG, was also suppressed after WT1-siRNA treatment. In addition, the WT1 silencing also inhibited the S phase of the cell cycle and induced cell death. Moreover, transcriptional modulation of IL-2, IL-2RB, and IL-2RG expression by WT1 was likely involved in this phenotypic change.
Molecular Weight:	51.3 kDa (IL-2 R beta)&54.6 kDa (IL-2 R gamma). Due to glycosylation, the protein migrates to 65-70 kDa&80-100 kDa based on Tris-Bis PAGE result.
UniProt:	P14784

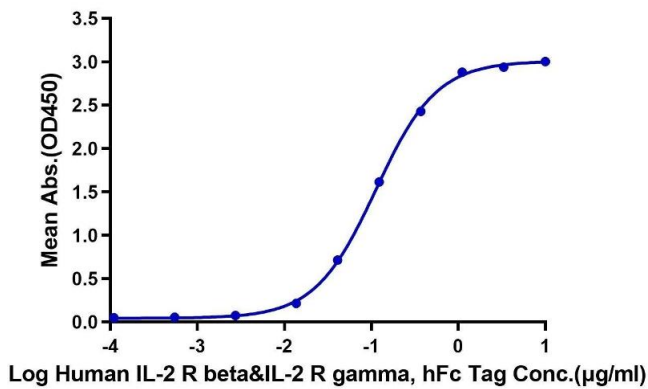
Application Details

Restrictions:	For Research Use only
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Handling

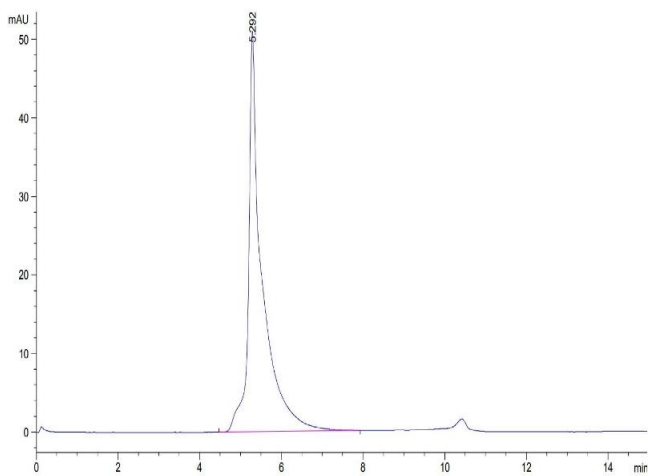
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human IL-2 R beta&IL-2 R gamma, hFc Tag ELISA
0.1 µg Human IL-15RA&IL-15, His Tag Per Well



ELISA

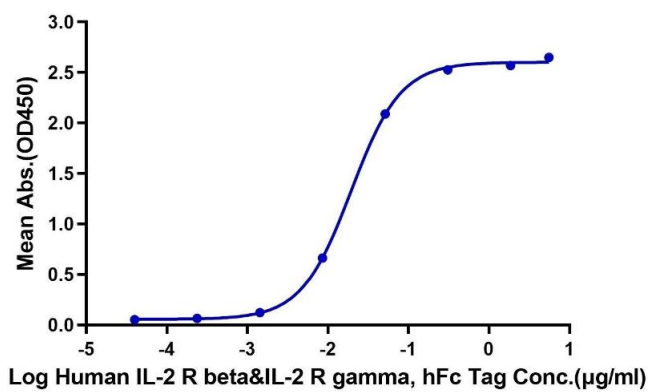
Image 1. Immobilized Human IL-15RA&IL-15, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-2 R beta&IL-2 R gamma, hFc Tag with the EC50 of 0.11 µg/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human IL-2 R beta&IL-2 R gamma is greater than 95 % as determined by SEC-HPLC.

Human IL-2 R beta&IL-2 R gamma, hFc Tag ELISA
0.1 µg Human IL-15RA&IL-15, His Tag Per Well



ELISA

Image 3. Immobilized Human IL-15RA&IL-15, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Human IL-2 R beta&IL-2 R gamma, hFc Tag with the EC50 of 19.5 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7275026.