

Datasheet for ABIN7274894
IL1R2 Protein (AA 14-343) (Fc Tag)

4 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL1R2
Protein Characteristics:	AA 14-343
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1R2 protein is labelled with Fc Tag.

Product Details

Purpose:	Human IL-1R2/IL-1 RII/CD121b Protein
Sequence:	Phe14-Glu343
Characteristics:	Recombinant Human IL-1R2/IL-1 RII/CD121b Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Phe14-Glu343.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human IL-1 Beta, His Tag at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-1R2, hFc Tag with the EC50 of 0.22µg/ml determined by ELISA. The affinity constant of 0.88 nM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

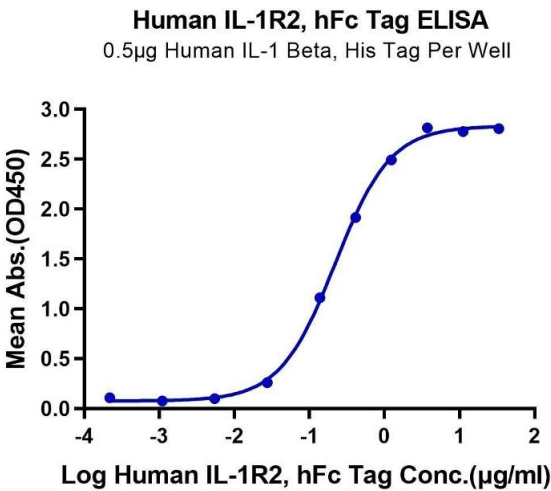
Target:	IL1R2
Alternative Name:	IL-1R2 (IL1R2 Products)
Background:	The IL-1 type II receptor (decoy RII) is a nonsignaling molecule the only established function of which is to capture IL-1 and prevent it from interacting with signaling receptor. The decoy RII is released in a regulated way from the cell surface.
Molecular Weight:	64.4 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_004624
Pathways:	NF-kappaB Signaling

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

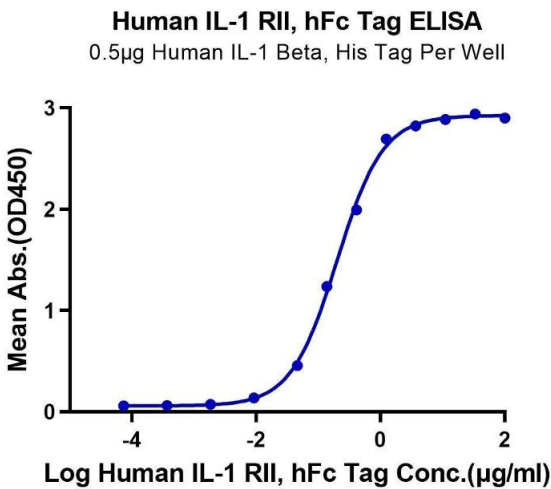
Handling

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



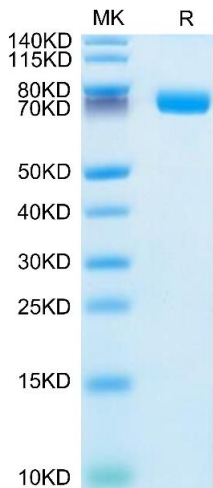
ELISA

Image 1. Immobilized Human IL-1 Beta, His Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IL-1R2, hFc Tag with the EC50 of 0.22 µg/mL determined by ELISA.



ELISA

Image 2. Immobilized Human IL-1 Beta, His Tag at 5 µg/mL (100 µL/Well) on the plate. Dose response curve for Human IL-1 RII, hFc Tag with the EC50 of 0.2 µg/mL determined by ELISA.



SDS-PAGE

Image 3. Human IL-1 RII on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274894.