Human IL-1R2/IL-1 RII/CD121b Protein

Cat. No. IL1-HM2R2

Description

Source	Recombinant Human IL-1R2/IL-1 RII/CD121b Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Phe14-Glu343.
Accession	NP_004624.1
Molecular Weight	The protein has a predicted MW of 64.4 kDa. Due to glycosylation, the protein migrates to 70-80 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

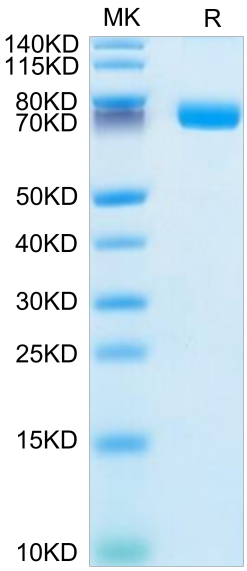
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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

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.

Assay Data

Bis-Tris PAGE



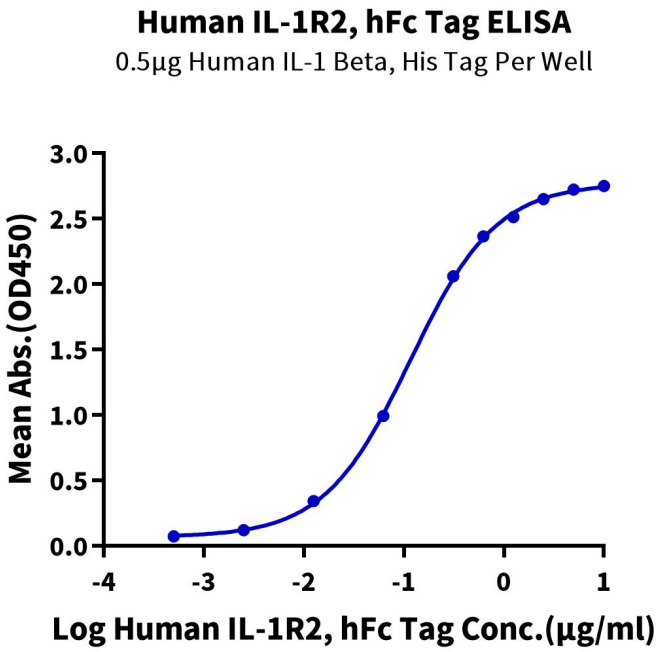
Human IL-1R2 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human IL-1R2/IL-1 RII/CD121b Protein

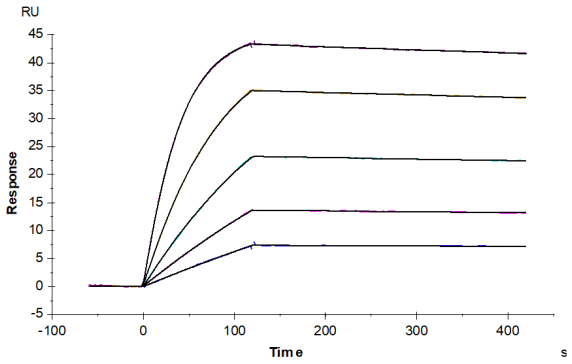
Cat. No. IL1-HM2R2

Assay Data



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 0.12μg/ml determined by ELISA (QC Test).

SPR Data



Human IL-1R2, hFc Tag captured on CM5 Chip via Protein A can bind Human IL-1 Beta, His Tag with an affinity constant of 0.88 nM as determined in SPR assay (Biacore T200).