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Datasheet for ABIN7275029

IL1RAP Protein (AA 21-359) (Fc Tag)

3 Images

Overview

Quantity:	100 µg
Target:	IL1RAP
Protein Characteristics:	AA 21-359
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1RAP protein is labelled with Fc Tag.

Product Details

Purpose:	Human IL-1R3/IL-1 RAcP Protein
Sequence:	Ser21-Glu359
Characteristics:	Recombinant Human IL-1R3/IL-1 RAcP Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Ser21-Glu359.
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-1R3, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-IL-1R3 Antibody, hFc Tag with the EC50 of 17.2ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	IL1RAP
Alternative Name:	IL-1R3 (IL1RAP Products)
Background:	IL-1 Receptor Accessory Protein (IL-1 RAcP), also known as IL-1 R3, is a ubiquitously expressed 70-90 kDa member of the Interleukin-1 receptor family of proteins. It serves as a non-ligand-binding component of the receptors for IL-1 alpha, IL-1 beta, IL-33, and IL-36. IL-1 R3 is a coreceptor for IL1RL2 in the IL-36 signaling system. IL-1 R3 is a coreceptor with IL1R1 in the IL-1 signaling system. Associates with IL1R1 bound to IL1B to form the high affinity interleukin-1 receptor complex which mediates interleukin-1-dependent activation of NF-kappa-B and other pathways.
Molecular Weight:	65.8 kDa. Due to glycosylation, the protein migrates to 75-85 kDa based on Tris-Bis PAGE result.
Pathways:	NF-kappaB Signaling , Growth Factor Binding

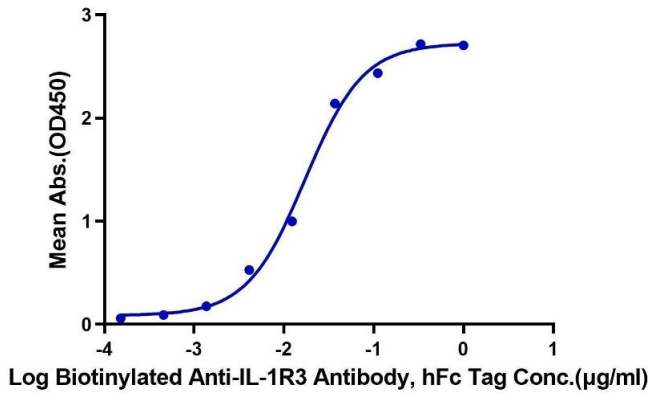
Application Details

Restrictions:	For Research Use only
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Handling

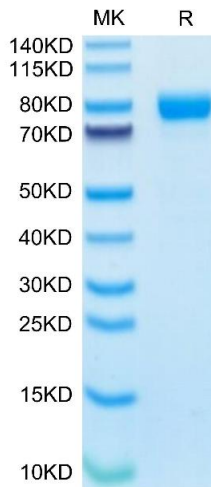
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant 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-1R3, hFc Tag ELISA
0.05µg Human IL-1R3, hFc Tag Per Well



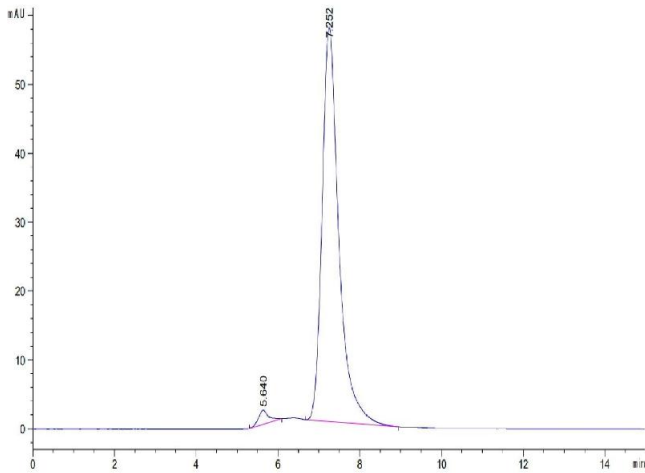
ELISA

Image 1. Immobilized Human IL-1R3, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-IL-1R3 Antibody, hFc Tag with the EC50 of 17.2 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human IL-1R3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human IL-1R3 is greater than 95 % as determined by SEC-HPLC.