Datasheet for ABIN7320552

IL1R2 Protein (Fc Tag)

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1 Image

Overview

Quantity:	50 µg
Target:	IL1R2
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL1R2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Mouse IL1R2/CD121b Protein (Fc Tag)
Sequence:	Phe14-Glu355
Characteristics:	Recombinant Mouse Interleukin-1 Receptor Type 2 is produced by our Mammalian expression system and the target gene encoding Phe14-Glu355 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL1R2
Alternative Name:	IL1R2/CD121b (IL1R2 Products)
Background:	Background: Mouse Interleukin 1 receptor, type II (IL1R2) is a cytokine receptor that belongs to the interleukin-1 receptor family. This protein binds interleukin alpha (IL1A), interleukin beta

Target Details

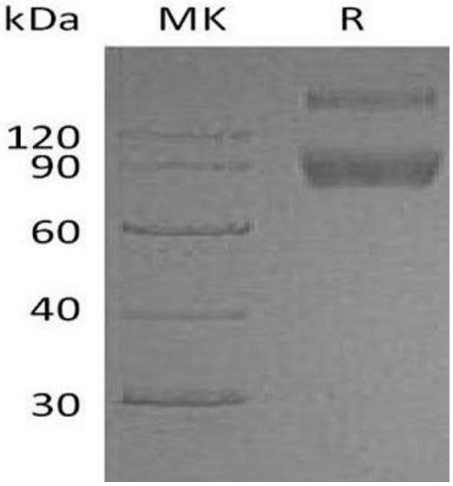
	(IL1B), and interleukin 1 receptor, type I (IL1R1/IL1RA), and acts as a decoy receptor that inhibits the activity of its ligands. IL-1R2 structurally consisting of a ligand binding portion comprised of three Ig-like domains, a single transmembrane region, and a short cytoplasmic domain. It is expressed in a variety of cell types including B lymphocytes, neutrophils, monocytes, large granular leukocytes and endothelial cells. Mouse IL1RII shares 59 % amino acid sequence homology with human IL1 RII in their extracellular domains. The pleiotropic cytokine IL1 is produced to regulate development and maintenance of the inflammatory responses, and binds to specific plasma membrane receptors on cells. Two distinct types of IL1 receptors which are able to bind IL1 specifically have been identified, designated as IL1RI (IL1RA) and IL1RII (IL1RB). IL1R1 contributes to IL-1 signaling, whereas the IL-1R2 has no signaling property and acts as a decoy for IL-1. Synonym: Interleukin-1 receptor type 2, IL-1R-2, IL-1RT-2, IL-1RT2, CD121 antigen-like family member B, CD121b, IL-1 type II receptor, Interleukin-1 receptor beta, IL-1R-beta, Interleukin-1 receptor type II, CD121b
Molecular Weight:	64.9 kDa
UniProt:	P27931
Pathways:	NF-kappaB Signaling

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.

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