

Datasheet for ABIN7534328
IL1R2 Protein (Fc Tag,His tag)



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Overview

Quantity:	100 µg
Target:	IL1R2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL1R2 protein is labelled with Fc Tag,His tag.

Product Details

Purpose:	Active Recombinant Human IL-1R2/IL-1RT2/CD121b Protein
Sequence:	MLRLYLVMG VSAFTLQPAA HTGAARSCR F RGRHYKREFR LEGEPVALRC PQVPYWLWAS VSPRINLTWH KNDSARTVPG EEETRMWAQD GALWLLPALQ EDSGTYVCTT RNASYCDKMS IELRVFENTD AFLPFISYPQ ILTLSTSGVL VCPDLSEFTR DKTDVKIQWY KDSLLLDKDN EKFLSVRGTT HLLVHDVALE DAGYYRCVLT FAHEGQQYNI TRSIELRIKK KKEETIPVII SPLKTISASL GSRLTIPCKV FLGTGTPLTT MLWWTANDTH IESAYPGGRV TEGPRQEYSE NNENYIEVPL IFDPVTREDL HMDFKCVVHN TLSFQTLR TT VKE
Specificity:	Met1-Glu343
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human IL1RN

Product Details

at 10 µg/mL (100 µL/well) can bind Recombinant Human IL1R2 with a linear range of 7-30 ng/mL.

Target Details

Target:	IL1R2
Alternative Name:	IL-1R2/IL-1RT2/CD121b (IL1R2 Products)
Background:	<p>Description: Non-signaling receptor for IL1A, IL1B and IL1RN. Reduces IL1B activities. Serves as a decoy receptor by competitive binding to IL1B and preventing its binding to IL1R1. Also modulates cellular response through non-signaling association with IL1RAP after binding to IL1B. IL1R2 (membrane and secreted forms) preferentially binds IL1B and poorly IL1A and IL1RN. The secreted IL1R2 recruits secreted IL1RAP with high affinity, this complex formation may be the dominant mechanism for neutralization of IL1B by secreted/soluble receptors.</p> <p>Name: IL1R2,CD121b,CDw121b,IL-1R-2,IL-1RT-2,IL-1RT2,IL1R2c,IL1RB</p>
Gene ID:	7850
UniProt:	P27930
Pathways:	NF-kappaB Signaling

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Concentration:	1 mg/mL
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1

week.