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Datasheet for ABIN1684651
IL1R1 Protein (C-Term, Extracellular Domain)

Overview

Quantity:	100 µg
Target:	IL1R1
Protein Characteristics:	C-Term, Extracellular Domain
Origin:	Mouse
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Specificity:	Optimized DNA sequence encoding Human extracellular domain of mouse IL-1 receptor type 1 including a C-terminal His tag was expressed in HEK293 cells.
Characteristics:	Recombinant IL-R1 (CD121a) is a protein consisting of 330 amino acid residue subunits, due to glycosylation migrates as an approximately 55-60 kDa protein on SDS-PAGE.
Purity:	> 97 %, as determined by SDS-PAGE and HPLC
Sterility:	0.2 µm filtered
Endotoxin Level:	Endotoxin content was assayed using a LAL gel clot method. Endotoxin level was found to be less than 0.1 ng/µg(1EU/µg).

Target Details

Target:	IL1R1
Alternative Name:	CD121a (IL1R1 Products)

Target Details

Background: Eotaxin belongs to the platelet factor-4 family of chemokines. The gene symbol is SCYA11. The factor is being referred to also as Eotaxin-1 and has been renamed CCL11. Eotaxin induces substantial accumulation of eosinophils in the skin without significantly affecting the accumulation of neutrophils. Eotaxin is a potent stimulator of both guinea pig and human eosinophils in vitro. The Eotaxin receptor is a G-protein-coupled receptor selectively expressed in human eosinophils.

UniProt: [P13504](#)

Pathways: [NF-kappaB Signaling](#), [Carbohydrate Homeostasis](#), [Cancer Immune Checkpoints](#)

Application Details

Comment: Recombinant mouse IL1R1 activity was measured by its ability to bind mouse IL1B in a functional ELISA. Immobilized mouse IL1A at 10 µg/mL (100 µL/well) can bind mouse IL1R1, The EC50 of mouse IL1R1 is 0.13 µg/mL.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS solution, pH 7.2, 5 % Trehalose.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: The lyophilized protein is stable for at least years from date of receipt at -20 °C. Upon reconstitution, this cytokine can be stored in working aliquots at -8 °C for one month, or at -20 °C for six months, with a carrier protein without detectable loss of activity.

Expiry Date: 12-24 months