Anti-Human IL-1R1 Rabbit Recombinant Antibody, PBS Only

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb

Catalog Number:98282-1-PBS

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Basic Information

Catalog Number:
98282-1-PBS

Size:
1mg, 2 mg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_000877.4

GeneID (NCBI):
3554

UNIPROT ID:
P14778

Full Name:
interleukin 1 receptor, type I

Calculated MW:
65 kDa

Purification Method:
Protein A purfication

CloneNo.:
242245A10

Applications

Tested Applications:
FC

Species Specificity:
human

Background Information

IL-1R1 (IL-1 receptor type 1, also known as p80, IL-1R-alpha or CD121a) is a 80 kDa transmembrane glycoprotein and a member of the interleukin-1 receptor family (PMID: 35163653; 29248002). It is a receptor for IL-1α , IL-1β , and interleukin-1 receptor antagonist (IL-1Ra). IL-1α and IL-1β interact with the extracellular domain of IL-1R1, triggering the recruitment of an accessory receptor, the IL-1RAcP, resulting in a functional receptor complex that initiates IL-1R1 signaling cascades (PMID: 35163653). IL-1Ra competes with active IL-1 and blocks binding to their common activating receptor IL-1R1 and, thus, inhibits IL-1 signaling (PMID: 35332327; 11641511). It has been reported that IL-1R1 may also bind IL-38 (PMID: 29248002). IL-1R1 expression has been found in many cell types including T cells, macrophages, neutrophils, eosinophils, basophils, mast cells, fibroblasts, and endothelial cells.
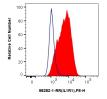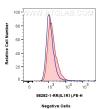
Storage

Storage:
Store at -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
Storage Buffer:
PBS Only

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

1x10^6 HeLa cells (left) or SK-OV-3 cells (right) were surface stained with 0.25 ug Anti-Human IL1R1 Rabbit RecAb (98282-1-RR, Clone: 242245A10) (red) or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were not fixed. This data was developed using the same antibody clone with 98282-1-PBS in a different storage buffer formulation.