

For Research Use Only

IL-18R1/CD218a Recombinant antibody

Catalog Number: 84390-5-RR



Basic Information

Catalog Number:

84390-5-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC093975

GeneID (NCBI):

8809

UNIPROT ID:

Q13478

Full Name:

interleukin 18 receptor 1

Calculated MW:

541 aa, 62 kDa

Observed MW:

60-75 kDa

Purification Method:

Protein A purification

CloneNo.:

241673G6

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : NK-92 cells,

IF/ICC : NK-92 cells,

Background Information

IL-18R1 (CD218a) is a component of the interleukin-18 receptor (IL-18R) complex, which is critical for the signaling of IL-18, a pro-inflammatory cytokine. This receptor complex, consisting of IL-18R1 and the IL-18 receptor accessory protein (IL-18RAP), belongs to the immunoglobulin-like family of interleukin-1 receptors (PMID: 35461924). IL-18R1 plays a significant role in inducing the production of interferon-gamma (IFN-γ) and other inflammatory cytokines, contributing to innate and adaptive immune responses (PMID: 2550053). It is also suggested to play a role in hypertension and chronic kidney disease, where the IL-18/IL-18R1 signaling axis may have diagnostic and therapeutic potential (PMID: 35461924).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

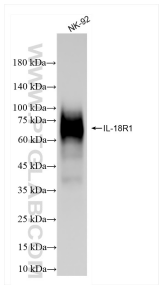
For technical support and original validation data for this product please contact:

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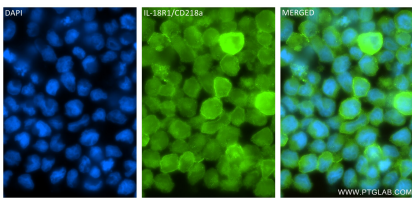
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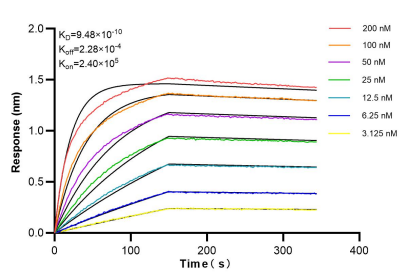
Selected Validation Data



NK-92 cells were subjected to SDS PAGE followed by western blot with 84390-5-RR (IL18R1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed NK-92 cells using IL-18R1/CD218a antibody (84390-5-RR, Clone: 241673G6) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 84390-5-RR against Human IL-18R1/CD218a were performed. The affinity constant is 0.948 nM.