

For Research Use Only

# IL-1RAP Recombinant antibody, PBS Only (Capture)

Catalog Number: 98073-1-PBS



## Basic Information

**Catalog Number:**

98073-1-PBS

**Size:**

1mg, 2mg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_002182.4

**GeneID (NCBI):**

3556

**UNIPROT ID:**

Q9NPH3-1

**Full Name:**

interleukin 1 receptor accessory protein

**Calculated MW:**

65 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240756A12

## Applications

**Tested Applications:**

FC, Sandwich ELISA, Indirect ELISA, Sample test

**Species Specificity:**

human

## Product Information

98073-1-PBS targets IL-1RAP as part of a matched antibody pair:

MP00708-4: 98073-1-PBS capture and 83726-5-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Background Information

IL-1RAP (Interleukin-1 receptor accessory protein), also known as IL-1RAcP, IL-1R-3, or IL-1R3, is a member of the interleukin-1 receptor family. IL-1RAP is composed of an extracellular region containing three Ig-like C2 type domains, a transmembrane region, and a cytoplasmic region with a TIR (Toll-IL-1-receptor) domain. IL-1RAP functions as a co-receptor for IL-1, IL-33, IL-36. It plays an essential role in the signaling of the IL-1 family cytokines such as IL-1, IL-33, and IL-36, as well as tyrosine kinases FLT3 and c-Kit. IL-1RAP can also exist in a soluble form.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

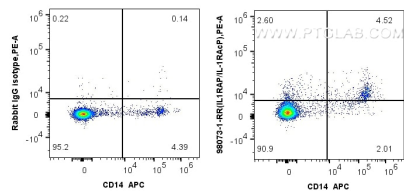
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

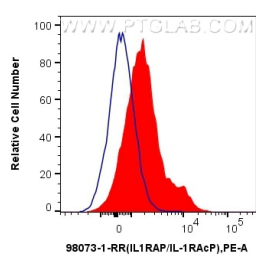
E: proteintech@ptglab.com  
W: ptglab.com

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

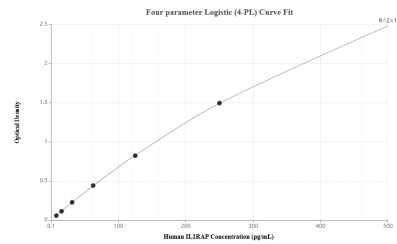
Selected Validation Data



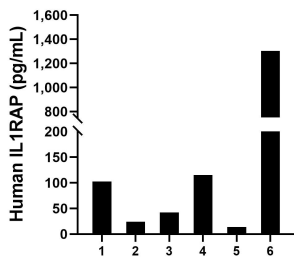
1x10<sup>6</sup> human PBMCs were stained with APC Anti-Human CD14 (261C) (APC-65246, Clone: 261C) and 0.25 ug Anti-Human IL-1RAP Rabbit Recombinant Antibody (98073-1-RR, Clone:240756A12), or Isotype Control. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98073-1-PBS in a different storage buffer formulation.



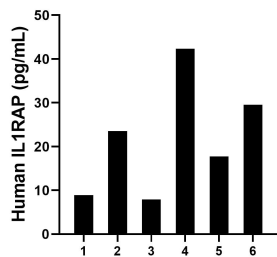
1x10<sup>6</sup> human PBMCs were stained with 0.25 ug Anti-Human IL-1RAP Rabbit Recombinant Antibody (98073-1-RR, Clone:240756A12)(red), or Isotype Control(blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98073-1-PBS in a different storage buffer formulation.



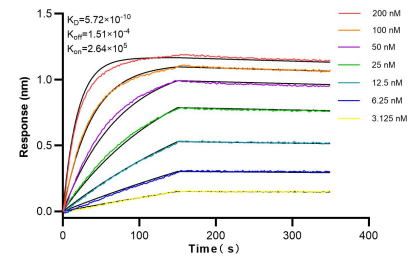
Sandwich ELISA standard curve of MP00708-4, Human IL-1RAP Recombinant Matched Antibody Pair - PBS only. 98073-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0827. 83726-5-PBS was HRP conjugated as the detection antibody. Range: 7.8-500 pg/mL



Plasma of six individual healthy human donors was measured. The human IL-1RAP concentration of detected samples was determined to be 266.79 pg/mL with a range of 13.79 - 1,302.80 pg/mL



Serum of six individual healthy human donors was measured. The human IL-1RAP concentration of detected samples was determined to be 21.67 pg/mL with a range of 7.89 - 42.37 pg/mL



Bi-layer interferometry (BLI) kinetic assays of 98073-1-RR against Human IL-1RAP were performed. The affinity constant is 0.572 nM.