

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

## 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.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

### Storage Buffer:

PBS Only

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

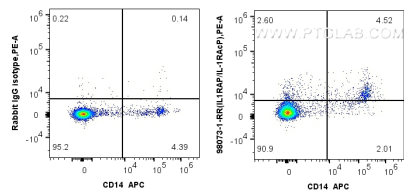
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

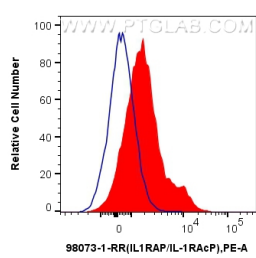
W: [ptgcn.com](http://ptgcn.com)

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

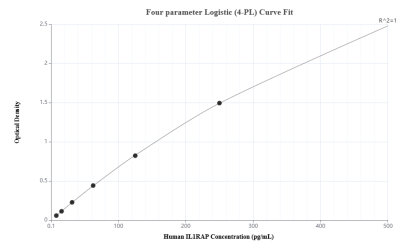
Selected Validation Data



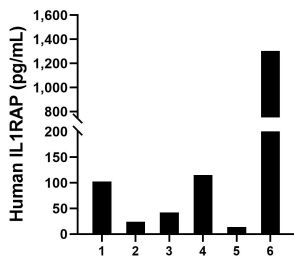
1x10<sup>6</sup> human PBMCs were stained with APC Anti-Human CD14 (261C) (APC-65246, Clone: 261C) and 0.25 ug Anti-Human IL-1RAP Rabbit Recombinant Antibody (98073-1-RR, Clone:240756A12), or Isotype Control. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data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



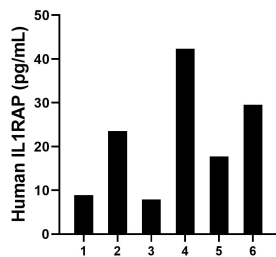
1x10<sup>6</sup> human PBMCs were stained with 0.25 ug Anti-Human IL-1RAP Rabbit Recombinant Antibody (98073-1-RR, Clone:240756A12)(red), or Isotype Control(blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone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



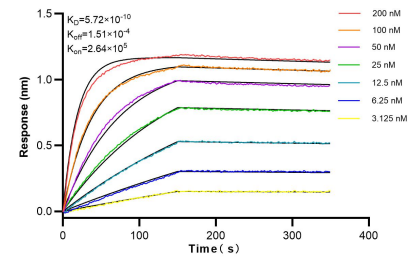
Sandwich ELISA standard curve of MP00708-4, Human IL-1RAP Recombinant Matched Antibody Pair - PBS only. 98073-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg0827. 83726-5-PBS was HRP conjugated as the detection antibody. Range: 7.8-500 pg/mL



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.