

For Research Use Only

# IL-1RA Recombinant antibody, PBS Only

Catalog Number: 84532-4-PBS



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>84532-4-PBS      | <b>GenBank Accession Number:</b><br>BC009745           | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>1 mg/ml                    | <b>GeneID (NCBI):</b><br>3557                          | <b>CloneNo.:</b><br>241879B3                          |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P18510                           |   |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>interleukin 1 receptor antagonist |   |
| <b>Immunogen Catalog Number:</b><br>AG1277 | <b>Calculated MW:</b><br>20 kDa                        |   |
|  | <b>Observed MW:</b><br>16-18 kDa                       |   |

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Interleukin-1 receptor antagonist (IL-1RA) is a critical member of the IL-1 family of cytokines, which plays a significant role in modulating inflammatory responses. IL-1RA exists in two main forms: a secreted form (sIL-1Ra) and an intracellular form (icIL-1Ra). The secreted form is produced by various cells including monocytes, macrophages, neutrophils, and other cells, while the intracellular form is found in keratinocytes and other epithelial cells, as well as in monocytes and fibroblasts. IL-1RA is important in host defense against endotoxin-induced injury and is produced in numerous experimental animal models of disease, as well as in human autoimmune and chronic inflammatory diseases. It acts as an anti-inflammatory agent by maintaining the balance between pro-inflammatory IL-1  $\alpha$  /  $\beta$  and its own anti-inflammatory effects.

## 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:

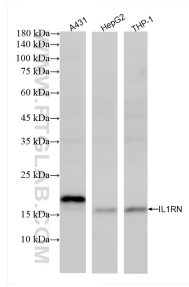
T: 4006900926

E: Proteintech-CN@ptglab.com

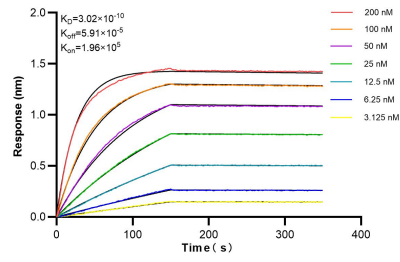
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84532-4-RR (IL-1RA antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84532-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84532-4-RR against Human IL-1RA were performed. The affinity constant is 0.302 nM.