

For Research Use Only

# IL-1RA Recombinant antibody

Catalog Number: 84532-4-RR



## Basic Information

<b>Catalog Number:</b> 84532-4-RR	<b>GenBank Accession Number:</b> BC009745	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3557	<b>CloneNo.:</b> 241879B3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P18510	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 1 receptor antagonist	
<b>Immunogen Catalog Number:</b> AG1277	<b>Calculated MW:</b> 20 kDa	
	<b>Observed MW:</b> 16-18 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : A431 cells, HepG2 cells, THP-1 cells
<b>Species Specificity:</b> 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 -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

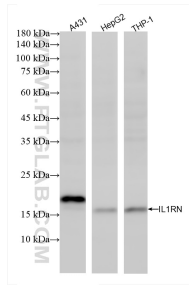
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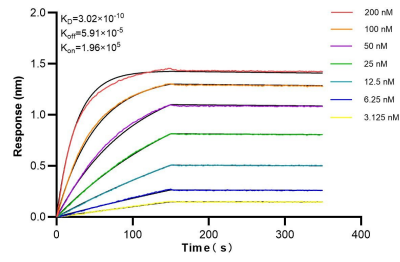
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## Selected Validation Data



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.



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