

For Research Use Only

IL-1RA Recombinant antibody, PBS Only

Catalog Number: 84532-4-PBS



Basic Information

Catalog Number: 84532-4-PBS	GenBank Accession Number: BC009745	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3557	CloneNo.: 241879B3
Source: Rabbit	UNIPROT ID: P18510	
Isotype: IgG	Full Name: interleukin 1 receptor antagonist	
Immunogen Catalog Number: AG1277	Calculated MW: 20 kDa	
	Observed MW: 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 α / β and its own anti-inflammatory effects.

Storage

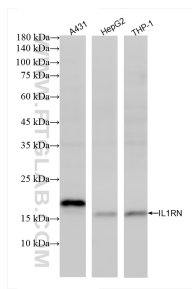
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

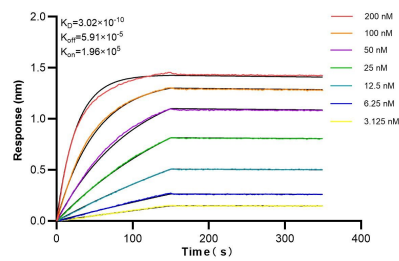
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



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.