

For Research Use Only

IL-1 beta Recombinant antibody

Catalog Number: 82696-17-RR



Basic Information

Catalog Number: 82696-17-RR	GenBank Accession Number: BC008678	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 3553	CloneNo.: 240902G6
Source: Rabbit	ENSEMBL Gene ID: ENSG00000125538	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	UNIPROT ID: P01584	
	Full Name: interleukin 1, beta	
	Calculated MW: 269 aa, 31 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A431 cells, LPS and Brefeldin A treated THP-1 cells, HT-1080 cells, U-87 MG cells
Species Specificity: human	

Background Information

Interleukin-1, produced mainly by blood monocytes, mediates the panoply of host reactions collectively known as acute phase response. It is identical to endogenous pyrogen. The multiple biologic activities that define IL1 are properties of a 15- to 18-kD protein that is derived from a 30- to 35-kD precursor. Interleukin 1 β (IL-1 β) is a member of the interleukin 1 cytokine family. It is a pro-inflammatory cytokine against infection, playing an important role in the pathogenesis of cancers. It signals through various adaptor proteins and kinases that lead to the activation of numerous downstream targets.

Storage

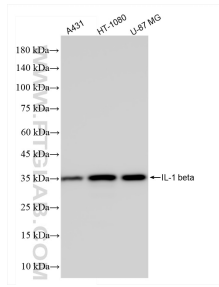
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

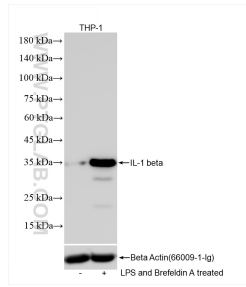
For technical support and original validation data for this product please contact:
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E: proteintech@ptglab.com
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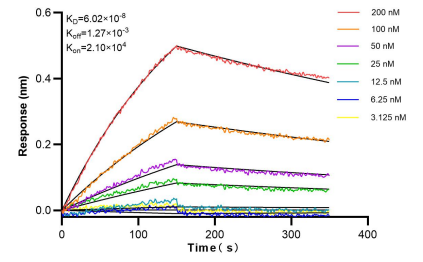
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82696-17-RR (IL-1 beta antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



LPS and Brefeldin A treated THP-1 cells were subjected to SDS PAGE followed by western blot with 82696-17-RR (IL-1 beta antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Bi-layer interferometry (BLI) kinetic assays of 82696-17-RR against Human IL-1 beta were performed. The affinity constant is 60.2 nM.