

For Research Use Only

IL-1 beta Recombinant antibody, PBS Only

Catalog Number: 82696-17-PBS



Basic Information

Catalog Number:

82696-17-PBS

Size:

100ug , Concentration: 2 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC008678

GeneID (NCBI):

3553

ENSEMBL Gene ID:

ENSG00000125538

UNIPROT ID:

P01584

Full Name:

interleukin 1, beta

Calculated MW:

269 aa, 31 kDa

Observed MW:

35 kDa

Purification Method:

Protein A purification

CloneNo.:

240902G6

Applications

Tested Applications:

WB, Indirect ELISA

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 -80°C.

Storage Buffer:

PBS Only

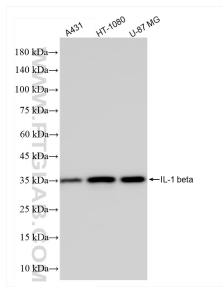
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

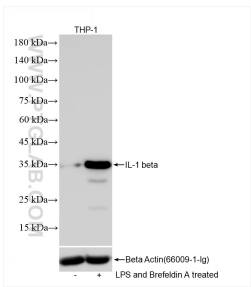
E: proteintech@ptglab.com
W: ptglab.com

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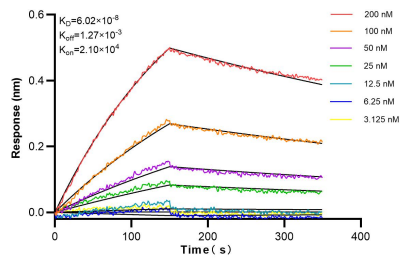
Selected Validation Data



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. This data was developed using the same antibody clone with 82696-17-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 82696-17-PBS in a different storage buffer formulation.



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