

For Research Use Only

# IL-1 beta Recombinant antibody

Catalog Number: 82696-17-RR



## Basic Information

Catalog Number:

82696-17-RR

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG0286

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

Recommended Dilutions:

WB 1:2000-1:10000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : A431 cells, LPS and Brefeldin A treated THP-1 cells, HT-1080 cells, U-87 MG cells

## 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  $\beta$  (IL-1 $\beta$ ) 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

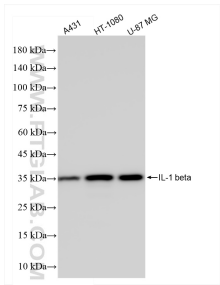
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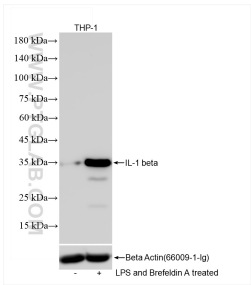
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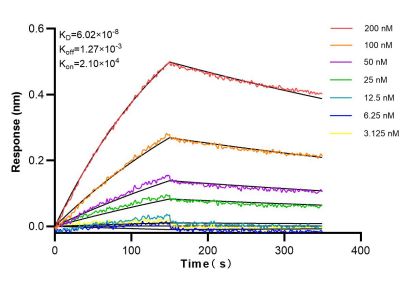
Selected Validation Data



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.



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