

For Research Use Only

# IL-1 beta Recombinant antibody

Catalog Number: 84274-1-RR



## Basic Information

Catalog Number:

84274-1-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_031512

GeneID (NCBI):

24494

UNIPROT ID:

Q63264

Full Name:

interleukin 1 beta

Calculated MW:

31 kDa

Observed MW:

31 kDa

Purification Method:

Protein A purification

CloneNo.:

241001H8

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

rat

Positive Controls:

WB : LPS and Brefeldin A treated NR8383 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 1β (IL-1B) 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 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

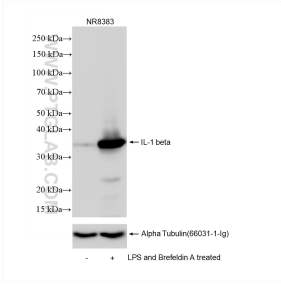
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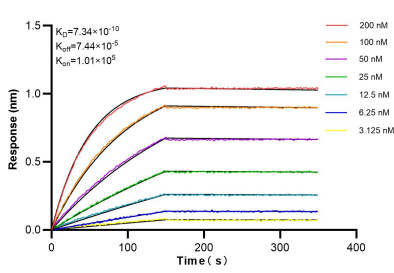
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## Selected Validation Data



LPS and Brefeldin A treated NR8383 cells were subjected to SDS PAGE followed by western blot with 84274-1-RR (IL1 beta antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84274-1-RR against Rat IL1 beta were performed. The affinity constant is 0.734 nM.