

For Research Use Only

Rat IL-1 beta Recombinant antibody, PBS Only (Detector)

Catalog Number: 84274-1-PBS



Basic Information

Catalog Number:

84274-1-PBS

Size:

1 mg/ml

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

Applications

Tested Applications:

WB, Cytometric bead array, Indirect ELISA

Species Specificity:

rat

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-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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

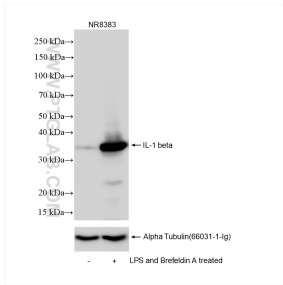
T: 4006900926

E: Proteintech-CN@ptglab.com

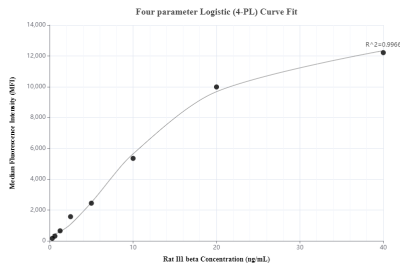
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

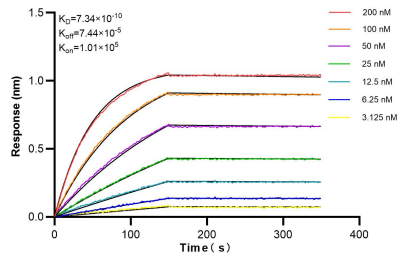
Selected Validation Data



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. This data was developed using the same antibody clone with 84274-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01210-3, RAT IL-1 beta Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84274-2-PBS. Detection antibody: 84274-1-PBS. Standard: Eg31371. Range: 0.313-40 ng/mL.



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