

For Research Use Only

Anti-Mouse IL-1 beta Rabbit Recombinant Antibody

Catalog Number: 98179-1-RR



Basic Information

Catalog Number:

98179-1-RR

Size:

100ug, 1000 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_008361.4

GeneID (NCBI):

16176

UNIPROT ID:

P10749

Full Name:

interleukin 1 beta

Calculated MW:

31kDa

Purification Method:

Protein A purification

CloneNo.:

241364B3

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Background Information

Interleukin-1 is a pro-inflammatory cytokine with multiple biological effects. The IL-1 gene family encodes three proteins: IL-1 α , IL-1 β and their naturally occurring inhibitor IL-1RN. Interleukin 1 β (IL-1 β), mainly produced by blood monocytes and tissue macrophages, has been implicated in mediating both acute and chronic inflammation. IL-1 β is known to be involved in a variety of cellular activities, including cell proliferation, differentiation and apoptosis. IL-1 β is emerging as a key mediator of carcinogenesis that characterizes host-environment interactions (PMID: 8630372; PMID: 12401481; PMID: 23704929; PMID: 24618930).

Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

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

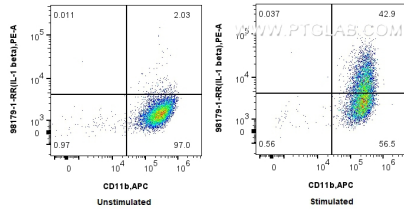
T: 4006900926

E: Proteintech-CN@ptglab.com

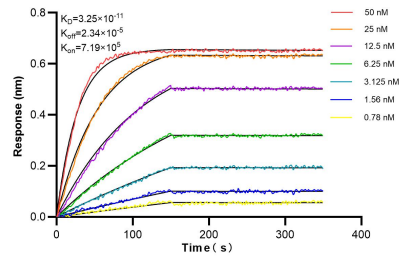
W: ptgcn.com

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Selected Validation Data



1x10⁶ untreated or LPS and Brefeldin A treated mouse peritoneal macrophages were intracellularly stained with 0.25 ug Anti-Mouse IL-1 beta Rabbit Recombinant Antibody (98179-1-RR, Clone: 241364B3) and PE-conjugated Goat Anti-Rabbit IgG. Cells were co-stained with APC anti-Mouse CD11b. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 98179-1-RR against Mouse IL-1 beta/IL-1F2 were performed. The affinity constant is 32.5 pM.