

For Research Use Only

# PE Anti-Mouse IL-1 beta Rabbit Recombinant Antibody

Catalog Number: PE-98179



## Basic Information

Catalog Number:

PE-98179

Concentration:

100ug, 200 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1577

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

Recommended Dilutions:

FC (Intra): 0.1 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Positive Controls:

FC (Intra): LPS and Brefeldin A treated mouse peritoneal macrophages,

## Background Information

Interleukin-1 is a pro-inflammatory cytokine with multiple biological effects. The IL-1 gene family encodes three proteins: IL-1 $\alpha$ , IL-1 $\beta$  and their naturally occurring inhibitor IL-1RN. Interleukin 1 $\beta$  (IL-1 $\beta$ ), mainly produced by blood monocytes and tissue macrophages, has been implicated in mediating both acute and chronic inflammation. IL-1 $\beta$  is known to be involved in a variety of cellular activities, including cell proliferation, differentiation and apoptosis. IL-1 $\beta$  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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

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

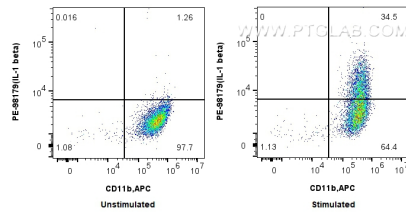
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## Selected Validation Data



1x10<sup>6</sup> untreated or LPS and Brefeldin A treated mouse peritoneal macrophages were intracellularly stained with APC anti-Mouse CD11b and 0.1 ug PE Anti-Mouse IL-1 beta Rabbit RecAb (PE-98179, Clone: 241364B3). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.