

For Research Use Only

FcZero-rAb® CoraLite® Plus 488 Anti-Human IL-1 beta Rabbit Recombinant Antibody

Catalog Number: CL488-FcA98142



Basic Information

Catalog Number:

CL488-FcA98142

Concentration:

100 tests, 5 µl/test

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

Purification Method:

Protein A purification

CloneNo.:

240902A3

Recommended Dilutions:

FC (Intra): 5 µl per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra): IFN gamma, LPS and Brefeldin A treated human PBMCs,

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; 12401481; 23704929; 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 and 0.5% BSA, pH7.3

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

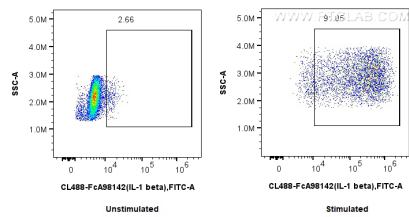
T: 4006900926

E: Proteintech-CN@ptglab.com

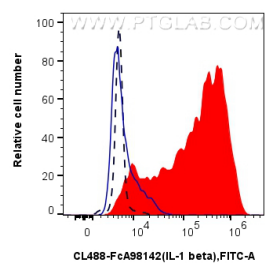
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Selected Validation Data



1x10⁶ untreated or IFN gamma, LPS and Brefeldin A treated human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 488 Anti-Human IL-1 beta Rabbit RecAb (CL488-FcA98142, Clone: 240902A3). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



1x10⁶ IFN gamma, LPS and Brefeldin A treated human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 488 Anti-Human IL-1 beta Rabbit RecAb (CL488-FcA98142, Clone: 240902A3) (red) or FcZero-rAb® CoraLite® Plus 488 Rabbit IgG Isotype Control Recombinant Antibody (CL488-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 488 Anti-Human IL-1 beta Rabbit RecAb (CL488-

