

For Research Use Only

Anti-Human IL-10 Rabbit Recombinant Antibody

Catalog Number: 98525-2-RR



Basic Information

Catalog Number:

98525-2-RR

Concentration:

100ug, 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3296

GenBank Accession Number:

NM_000572.3

GeneID (NCBI):

3586

UNIPROT ID:

P22301

Full Name:

interleukin 10

Calculated MW:

21 kDa

Purification Method:

Protein A purification

CloneNo.:

250059F11

Recommended Dilutions:

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra): anti-CD3/CD28, IL-2 and IL-4 treated human PBMCs,

Background Information

Interleukin (IL)-10 is an anti-inflammatory cytokine, produced by T helper (Th) cells, macrophages, monocytes, and B cells, that plays a crucial role in preventing inflammatory and autoimmune pathologies. It downregulates the expression of Th1 cytokines, MHC class II antigens, and co-stimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. IL-10 can block NF-κB activity, and is involved in the regulation of the JAK-STAT signaling pathway. IL-10, along with its receptors, describes an important role in pathogenesis of various diseases, including infectious, inflammatory, autoimmune diseases. IL-10 mutations are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

Storage

Storage:

Store at 2 - 8°C. 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:

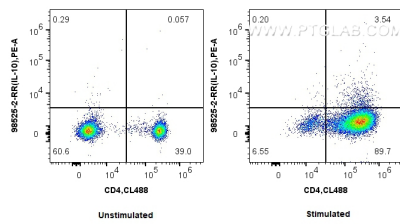
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ untreated or anti-CD3/CD28, IL-2 and IL-4 treated human PBMCs were intracellularly stained with 0.25 ug Anti-Human IL-10 Rabbit RecAb (98525-2-RR, Clone: 250059F11) and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 488 Anti-Human CD4 Rabbit Recombinant Antibody (CL488-98042, Clone: 240427E12). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization

