

For Research Use Only

CoraLite® Plus 488-conjugated IL-10 Recombinant antibody

Catalog Number: CL488-82191-3



Basic Information

Catalog Number:

CL488-82191-3

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_010548

GeneID (NCBI):

16153

UNIPROT ID:

P18893

Full Name:

interleukin 10

Calculated MW:

21 kDa

Observed MW:

20 kDa

Purification Method:

Protein A purification

CloneNo.:

240430G12

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

mouse

Positive Controls:

IF/ICC : LPS and Brefeldin A treated RAW 264.7 cells,

Background Information

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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

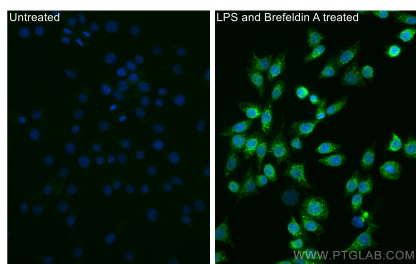
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed LPS and Brefeldin A treated RAW 264.7 cells using CoraLite® Plus 488 IL-10 antibody (CL488-82191-3, Clone: 240430G12) at dilution of 1:200.