

FITC Plus Anti-Human IL-10 (7B8G3)

Catalog Number: FITC-65286

Basic Information

Catalog Number:

FITC-65286

Size:

100ug, 0.2 mg/mL

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

HZ-1145

GenBank Accession Number:

BC104252

GeneID (NCBI):

3586

Full Name:

interleukin 10

Calculated MW:

21 kDa

Purification Method:

Affinity purification

CloneNo.:

7B8G3

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

Human

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- κ B 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

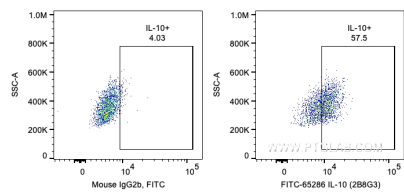
Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

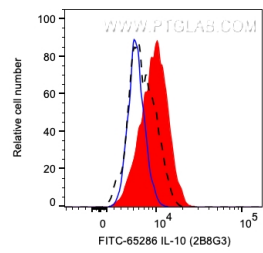
Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA.

Selected Validation Data



1X10⁶ LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug FITC Plus Anti-Human IL-10 (FITC-65286, Clone:7B8G3) or Mouse IgG2b Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.



1X10⁶ LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug FITC Plus Anti-Human IL-10 (FITC-65286, Clone:7B8G3) (red) or Mouse IgG2b Isotype Control (blue), or unactivated and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug FITC Plus Anti-Human IL-10 (FITC-65286, Clone:7B8G3) (black, dashed line). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.

