For Research Use Only

FITC Plus Anti-Human IL-12 (1E12H6)

Catalog Number:FITC-65277

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
FITC-65277

Size:
100ug, 0.2 mg/mL

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
HZ-1256

GenBank Accession Number:
BC104982

GeneID (NCBI):
3592

Full Name:
interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)

Calculated MW:
25 kDa

Purification Method:
Affinity purification

CloneNo.:
1E12H6

Excitation/Emission maxima wavelengths:
495 nm / 524 nm

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Human

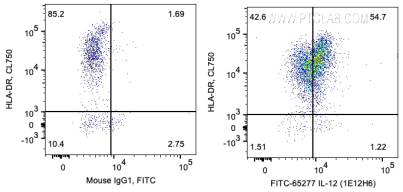
Background Information

IL-12 is a heterodimeric cytokine composed of two glycosylated and disulfide-linked subunits (p40 cysteine-linked to p35). IL-12 is a potent regulator of cell mediated immune responses and it induces IFN-gamma production by NK and T cells. It is produced by activated monocytes/macrophage cells, B lymphocytes, and connective tissue type mast cells (PMID: 24821971; 7612223).

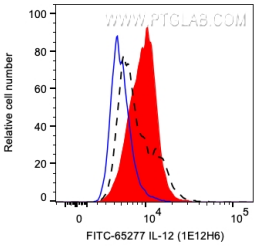
Storage

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



1X10^6 LPS and Brefeldin A treated human PBMCs were surface stained with CoraLite® Plus 750 Anti-Human HLA-DR then intracellularly stained with 0.2 ug FITC Plus Anti-Human IL-12 (FITC-65277, Clone:1E12H6) or Mouse IgG1 Isotype Control. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.



1X10^6 LPS and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug FITC Plus Anti-Human IL-12 (FITC-65277, Clone:1E12H6) (red) or Mouse IgG1 Isotype Control (blue), or unactivated and Brefeldin A treated human PBMCs were intracellularly stained with 0.2 ug FITC Plus Anti-Human IL-12 (FITC-65277, Clone:1E12H6) (black, dashed line). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). Monocytes were gated.