

For Research Use Only

FITC Plus Anti-Mouse IL-12/IL-23 p40 (C17.8)

Catalog Number: FITC-65097



Basic Information

Catalog Number: FITC-65097	GenBank Accession Number: BC103608	Purification Method: Affinity purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 16160	CloneNo.: C17.8
Source: Rat	Full Name: interleukin 12b	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Isotype: IgG2a, kappa		

Applications

Tested Applications:
FC (Intra)

Species Specificity:
Mouse

Background Information

Interleukin (IL)-12 and IL-23 are heterodimeric cytokines that share a common p40 subunit (PMID: 11114383). IL-12 is composed of the IL-12 p40 subunit linked to the IL-12 p35 subunit, and the heterodimer signals through the IL-12 receptor (IL-12R), which comprises the IL-12Rβ1 and IL-12Rβ2 subunits. IL-23 is composed of the IL-23 p19 subunit and the IL-12 p40 (IL-12/23p40) subunit, which signals through IL-23R and IL-12Rβ1 (PMID: 11114383; 26121196). IL-12/IL-23 p40 also exists as a monomer and as a homodimer which can act as a potent IL-12 antagonist (PMID: 8958912; 18783467). IL-12/IL-23 p40 is produced by antigen-presenting cells, such as dendritic cells (DCs), monocytes, macrophages, neutrophils and, to a lesser extent, B cells (PMID: 20476918).

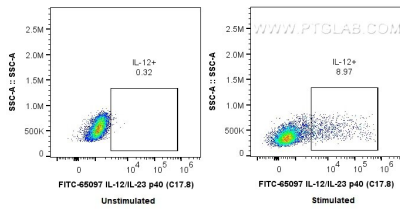
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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Selected Validation Data



1X10⁶ IFN- γ primed Balb/c mouse peritoneal macrophages were unstimulated or stimulated with LPS in the presence of a protein transport inhibitor and then intracellularly stained with 0.5 ug FITC Plus Anti-Mouse IL-12/IL-23 p40 (FITC-65097, Clone:C17.8). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).