

For Research Use Only

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



Catalog Number: PE-65097

Basic Information

Catalog Number: PE-65097	GenBank Accession Number: BC103608	Purification Method: Affinity purification
Size: 100ug, 0.2 mg/ml	GeneID (NCBI): 16160	CloneNo.: C17.8
Source: Rat	UNIPROT ID: P43432	Excitation/Emission maxima wavelengths: 496 nm, 565 nm / 578 nm
Isotype: IgG2a, kappa	Full Name: interleukin 12b	

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-12R β 1 and IL-12R β 2 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-12R β 1 (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:
Phosphate based buffer with 0.09% sodium azide and 0.1% gelatin, pH 7.2.

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

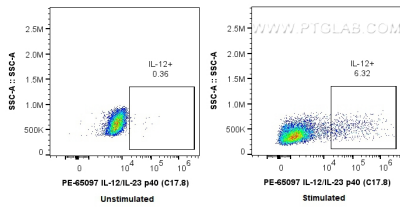
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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

Selected Validation Data



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