

For Research Use Only

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

Catalog Number: PE-65097



## Basic Information

Catalog Number:

PE-65097

Size:

100ug, 0.2 mg/ml

Source:

Rat

Isotype:

IgG2a, kappa

GenBank Accession Number:

BC103608

GeneID (NCBI):

16160

UNIPROT ID:

P43432

Full Name:

interleukin 12b

Purification Method:

Affinity purification

CloneNo.:

C17.8

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

## 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  $\beta$  1 and IL-12R  $\beta$  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  $\beta$  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:

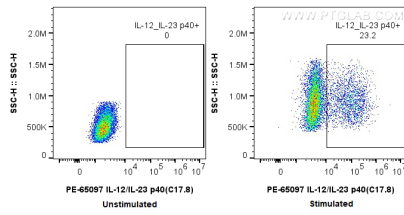
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W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> untreated or IFN  $\gamma$ , LPS, BFA and Monensin treated RAW 264.7 cells were intracellularly stained with 0.5 ug PE Anti-Mouse IL-12/IL-23 p40 (C17.8) (PE-65097, Clone: C17.8) (red), or 0.5 ug PE Rat IgG2a Isotype Control (2A3) (PE-65209, Clone: 2A3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).