

For Research Use Only

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

Catalog Number: 65097-1-Ig



## Basic Information

<b>Catalog Number:</b> 65097-1-Ig	<b>GenBank Accession Number:</b> BC103608	<b>Purification Method:</b> Affinity purification
<b>Size:</b> 100ug, 500 µg/ml	<b>GeneID (NCBI):</b> 16160	<b>CloneNo.:</b> C17.8
<b>Source:</b> Rat	<b>Full Name:</b> interleukin 12b	
<b>Isotype:</b> IgG2a, kappa		

## Applications

**Tested Applications:**  
FC

**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

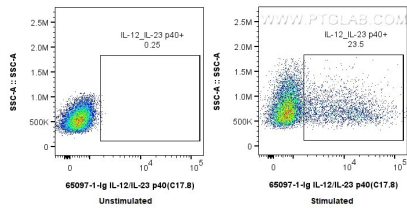
**Storage:**  
Store at 2-8°C. Stable for one year after shipment.

**Storage Buffer:**  
PBS with 0.1% sodium azide, pH 7.3.

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  
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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  $\mu$ g Anti-Mouse IL-12/IL-23 p40 (65097-1-ig, Clone: C17.8) and FITC anti-rat IgG2a Antibody at dilution 1:100. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).