

# CoraLite<sup>®</sup>594 Anti-Mouse IL-12/IL-23 p40 (C17.8)

Catalog Number: **CL594-65097**

## Basic Information

**Catalog Number:**

CL594-65097

**Size:**

100ug, 500 µg/ml

**Source:**

Rat

**Isotype:**

IgG2a, kappa

**GenBank Accession Number:**

BC103608

**GeneID (NCBI):**

16160

**Full Name:**

interleukin 12b

**Purification Method:**

Affinity purification

**CloneNo.:**

C17.8

**Excitation/Emission maxima wavelengths:**

588 nm / 604 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

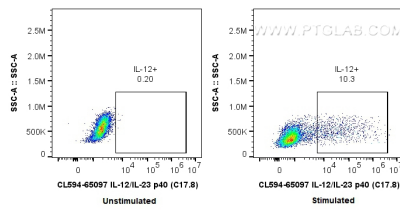
**Storage:**

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.09% sodium azide.

## Selected Validation Data



1X10<sup>6</sup> IFN- $\gamma$  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 CoraLite®594 Anti-Mouse IL-12/IL-23 p40 (CL594-65097, Clone:C17.8). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).