

For Research Use Only

# CoraLite®594 Anti-Human IL-12/IL-23 p40 Rabbit Recombinant Antibody

Catalog Number:CL594-98277



## Basic Information

**Catalog Number:**

CL594-98277

**Size:**

100tests , 5 ul/test

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

EG0431

**GenBank Accession Number:**

BC067498

**GeneID (NCBI):**

3593

**UNIPROT ID:**

P29460

**Full Name:**

interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)

**Calculated MW:**

328 aa, 37 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

241600F8

**Recommended Dilutions:**

FC (Intra): 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maxima wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

FC (Intra)

**Species Specificity:**

human

**Positive Controls:**

FC (Intra) : IFN gamma, LPS and Brefeldin A treated human PBMCs,

## 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 and 0.5% BSA, pH7.3

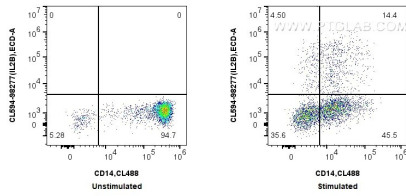
For technical support and original validation data for this product please contact:

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

## Selected Validation Data



1x10<sup>6</sup> untreated or IFN gamma, LPS and Brefeldin A treated human PBMCs were intracellularly stained with CoraLite® Plus 488 Anti-Human CD14 and 5 ul CoraLite® 594 Anti-Human IL-12/IL-23 p40 Rabbit RecAb (CL594-98277, Clone: 241600F8). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).