

For Research Use Only

# FITC Plus Anti-Human IL-12/IL-23 p40 Rabbit Recombinant Antibody

Catalog Number: FITC-98277



## Basic Information

<b>Catalog Number:</b> FITC-98277	<b>GenBank Accession Number:</b> BC067498	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 100tests, 5 ul/test	<b>GeneID (NCBI):</b> 3593	<b>CloneNo.:</b> 241600F8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P29460	<b>Recommended Dilutions:</b> FC (Intra): 5 ul per 10 <sup>6</sup> cells in a 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	<b>Excitation/Emission maxima wavelengths:</b> 495 nm / 524 nm
<b>Immunogen Catalog Number:</b> EG0431	<b>Calculated MW:</b> 328 aa, 37 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra)	<b>Positive Controls:</b> FC (Intra): IFN gamma, LPS and Brefeldin A treated human PBMCs,
<b>Species Specificity:</b> human	

## 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:**  
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

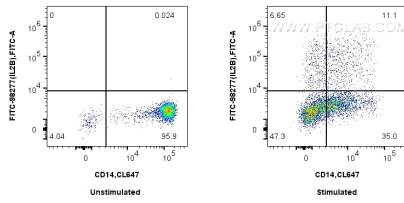
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## Selected Validation Data



1x10<sup>6</sup> untreated or IFN gamma, LPS and Brefeldin A treated human PBMCs were intracellularly stained with CoraLite® Plus 647 Anti-Human CD14 and 5 ul FITC Plus Anti-Human IL-12/IL-23 p40 Rabbit RecAb (FITC-98277, Clone: 241600F8). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).