

For Research Use Only

FcZero-rAb® CoraLite® Plus 647 Anti-Human IL-12/IL-23 p40 Rabbit Recombinant Antibody

Catalog Number: CL647-FcA98277



Basic Information

Catalog Number: CL647-FcA98277	GenBank Accession Number: BC067498	Purification Method: Protein A purification
Concentration: 100 tests, 5 ul/test	GeneID (NCBI): 3593	CloneNo.: 241600F8
Source: Rabbit	UNIPROT ID: P29460	Recommended Dilutions: FC (Intra): 5 ul per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG0431	Calculated MW: 328 aa, 37 kDa	

Applications

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

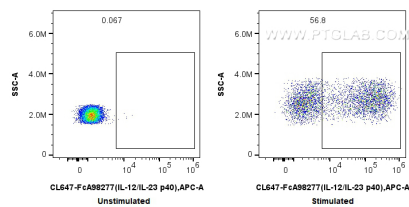
T: 4006900926

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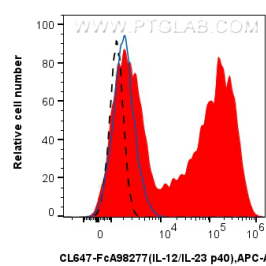
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Selected Validation Data



1x10⁶ untreated or IFN gamma, LPS and Brefeldin A treated human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human IL-12/IL-23 p40 Rabbit RecAb (CL647-FcA98277, Clone: 241600F8). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).



1x10⁶ IFN gamma, LPS and Brefeldin A treated human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human IL-12/IL-23 p40 Rabbit RecAb (CL647-FcA98277, Clone: 241600F8) (red) or FcZero-rAb® CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-FcA98136, Clone: 240953C9) (blue). 1x10⁶ untreated human PBMCs were intracellularly stained with 5 ul CoraLite® Plus 647 Anti-Human IL-12/IL-23 p40 Rabbit RecAb (CL647-

