

For Research Use Only

PerCP-Cyanine5.5 Anti-Mouse IL-12/IL-23 p40 Rabbit Recombinant Antibody

Catalog Number:CPY5-98004



Basic Information

Catalog Number:

CPY5-98004

Size:

100ug, 100 μ g/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

UNIPROT ID:

P43432

Full Name:

Calculated MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

230037C9

Excitation/Emission maxima wavelengths:

482 nm / 690 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

mouse

Background Information

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.

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

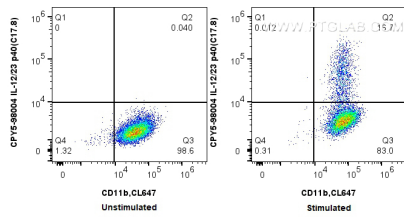
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ unstimulated or IFN γ and LPS treated (in the presence of protein transport inhibitors) RAW 264.7 cells were intracellularly stained with 0.25 μ g PerCP-Cyanine5.5 Mouse IL-12/23 P40 Recombinant Antibody (CPY5-98004, Clone:230037C9), and 0.25 μ g CoraLite® Plus 647 Anti-Mouse CD11b (M1/70) (CL647-65055, Clone: M1/70). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).