

For Research Use Only

CoraLite® Plus 488 Anti-Mouse IL-12/IL-23 p40 (C17.8)



Catalog Number: CL488-65097

Basic Information

Catalog Number:

CL488-65097

Size:

100 tests, 5 µl/test

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:

493 nm / 522 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 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 0.1% sodium azide and 0.5% BSA, pH 7.3.

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

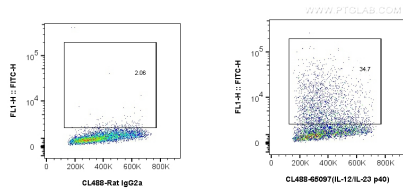
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IFN- γ primed Balb/c mouse peritoneal macrophages stimulated with LPS in the presence of a protein transport inhibitor were treated with fixation and permeabilization reagents and intracellularly stained with CoraLite® Plus 488-conjugated Rat IgG2a Isotype Control (left) or 5 μ l CoraLite® Plus 488 Anti-Mouse IL-12/IL-23 p40 (CL488-65097, Clone: C17.8) (right).