

For Research Use Only

CoraLite® Plus 647 Anti-Mouse IL-23 p19 Rabbit Recombinant Antibody

Catalog Number: CL647-98392



Basic Information

Catalog Number: CL647-98392	GenBank Accession Number: NM_031252.2	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 83430	CloneNo.: 242139G12
Source: Rabbit	UNIPROT ID: Q9EQ14	Recommended Dilutions: FC (Intra): 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: interleukin 23, alpha subunit p19	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: EG1634	Calculated MW: 22 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : Transfected HEK-293T cells,
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, pH7.3

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

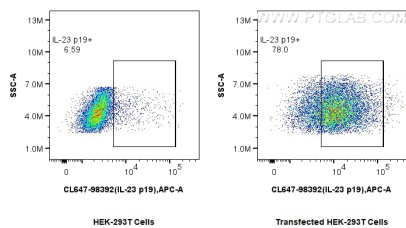
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ HEK-293T cells or IL-23 p19 transfected HEK-293T cells were intracellularly stained with 0.25 ug CoraLite® Plus 647 Anti-Mouse IL-23 p19 Rabbit RecAb (CL647-98392, Clone: 242139G12) or 0.25 ug CoraLite® Plus 647 Rabbit IgG Isotype Control Recombinant Antibody (CL647-98136, Clone: 240953C9). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).