

For Research Use Only

IL-12/IL-23 p40 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83008-1-PBS



Basic Information

Catalog Number: 83008-1-PBS	GenBank Accession Number: BC067498	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 3593	CloneNo.: 240008F4
Source: Rabbit	UNIPROT ID: P29460	
Isotype: IgG	Full Name: interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	
	Calculated MW: 328 aa, 37 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
100% PBS pH 7.3

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

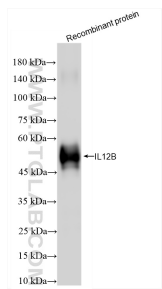
T: 4006900926

E: Proteintech-CN@ptglab.com

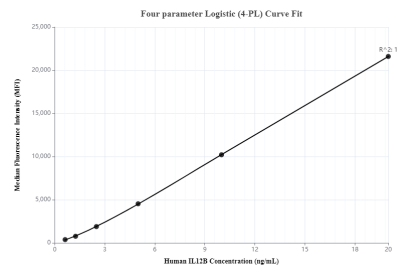
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Selected Validation Data



Human IL12B recombinant protein(Eg0431)was subjected to SDS PAGE followed by western blot with 83008-1-RR (IL-12/IL-23 p40 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83008-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00035-3, IL12B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83008-3-PBS. Detection antibody: 83008-1-PBS. Standard: Eg0431. Range: 0.625-20 ng/mL.