

For Research Use Only

IL-12/IL-23 p40 Recombinant antibody

Catalog Number: 83008-7-RR



Basic Information

Catalog Number: 83008-7-RR	GenBank Accession Number: BC067498	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 3593	CloneNo.: 241600B3
Source: Rabbit	UNIPROT ID: P29460	Recommended Dilutions: IF/ICC 1:125-1:500
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: IF/ICC, ELISA	Positive Controls: IF/ICC : MOLT-4 cells,
Species Specificity: human	

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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

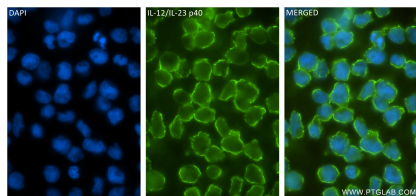
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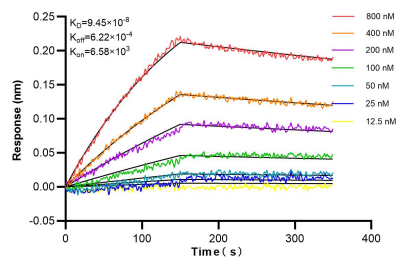
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed MOLT-4 cells using IL12B antibody (83008-7-RR, Clone: 241600B3) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83008-7-RR against Human IL-12/IL-23 p40 were performed. The affinity constant is 94.5 nM.