

Basic Information

Catalog Number: 66288-1-Ig	GenBank Accession Number: BC067498	Purification Method: Protein A purification
Size: 1800 µg/ml	GeneID (NCBI): 3593	CloneNo.: 4B2A8
Source: Mouse	UNIPROT ID: P29460	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG2a	Full Name: interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	
Immunogen Catalog Number: AG21429	Calculated MW: 328 aa, 37 kDa	
	Observed MW: 37 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human liver tissue,
Species Specificity: human, pig	

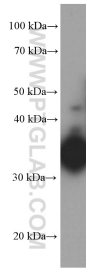
Background Information

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

Selected Validation Data



human liver tissue were subjected to SDS PAGE followed by western blot with 66288-1-Ig (IL12B Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.