

For Research Use Only

# IL-12/IL-23 p40 Monoclonal antibody



Catalog Number: 66288-1-Ig

## Basic Information

<b>Catalog Number:</b> 66288-1-Ig	<b>GenBank Accession Number:</b> BC067498	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1800 µg/ml by Nanodrop and 1373 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3593	<b>CloneNo.:</b> 4B2A8
<b>Source:</b> Mouse	<b>Full Name:</b> interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Isotype:</b> IgG2a	<b>Calculated MW:</b> 328 aa, 37 kDa	
<b>Immunogen Catalog Number:</b> AG21429	<b>Observed MW:</b> 37 kDa	

## Applications

**Tested Applications:**  
WB, ELISA

**Species Specificity:**  
human, pig

**Positive Controls:**

WB : human liver tissue,

## Background Information

Interleukin-12 (IL-12), is a cytokine that is secreted by activated phagocytes and dendritic cells and that induces interferon- $\gamma$  production by natural-killer and T lymphocytes. IL-12 is a 75 kDa heterodimer composed of a 35 kDa subunit (IL-12A p35) and a 40 kDa subunit (IL-12B p40) that is secreted by a wide variety of antigen presenting cells (APCs), including phagocytes, B cells and Langerhans cells. IL-12B has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen. Overexpression of IL-12B was observed in the central nervous system of patients with multiple sclerosis (MS), suggesting a role of this cytokine in the pathogenesis of the disease. The promoter polymorphism of IL-12B has been reported to be associated with the severity of atopic and non-atopic asthma in children.

## 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

\*\*\* 20ul sizes contain 0.1% BSA

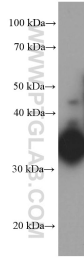
For technical support and original validation data for this product please contact:

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## 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.