



# Mouse IL12B blocking peptide (CDBP1575)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-IL12b/IL12p40 (mouse) antibody
<b>Antigen Description</b>	This gene encodes a subunit of interleukin 12, a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. Interleukin 12 is a disulfide-linked heterodimer composed of the 40 kD cytokine receptor like subunit encoded by this gene, and a 35 kD subunit encoded by IL12A. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. This cytokine 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 this gene 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 this gene has been reported to be associated with the severity of atopic and non-atopic asthma in children. [provided by RefSeq, Jul 2008]
<b>Species</b>	Mouse
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

**Gene Name** [Il12b interleukin 12b \[ Mus musculus \(house mouse\) \]](#)

<b>Official Symbol</b>	IL12B
<b>Synonyms</b>	IL12B; interleukin 12b; p40; IL-12b; IL12p40; IL-12p40; interleukin-12 subunit beta; CLMF p40; IL-12 p40; IL-12 subunit p40; IL-23 subunit p40; cytotoxic lymphocyte maturation factor 40 kDa subunit;
<b>Entrez Gene ID</b>	<a href="#">16160</a>
<b>mRNA Refseq</b>	<a href="#">NM_008352.2</a>
<b>Protein Refseq</b>	<a href="#">NP_032378.1</a>
<b>UniProt ID</b>	P43432
<b>Chromosome Location</b>	11 A5-B2; 11 25.94 cM
<b>Pathway</b>	African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Allograft rejection, organism-specific biosystem; Allograft rejection, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor in
<b>Function</b>	contributes_to cytokine activity; contributes_to cytokine activity; cytokine receptor activity; contributes_to cytokine receptor binding; contributes_to growth factor activity; identical protein binding; interleukin-12 alpha subunit binding; interleukin-1