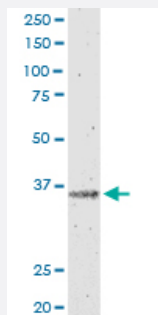


IL12B monoclonal antibody (M01), clone 2H6

Catalog # H00003593-M01

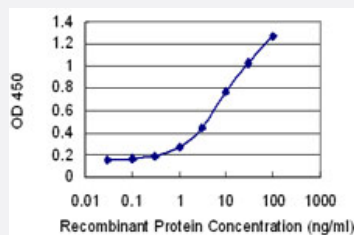
Size 100 ug

Applications



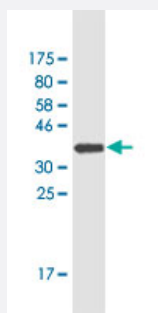
Western Blot (Cell lysate)

IL12B monoclonal antibody (M01), clone 2H6. Western Blot analysis of IL12B expression in HepG2.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IL12B is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant IL12B.

Immunogen	IL12B (NP_002178, 229 a.a. ~ 328 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	IRDIIKPDPPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDK TSATVICRKNASISVRAQDRYYSSSWSEWASVPCS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (66%)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

IL12B monoclonal antibody (M01), clone 2H6. Western Blot analysis of IL12B expression in HepG2.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IL12B is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — IL12B

Entrez GeneID [3593](#)

GeneBank Accession#	NM_002187
Protein Accession#	NP_002178
Gene Name	IL12B
Gene Alias	CLMF, CLMF2, IL-12B, NKSF, NKSF2
Gene Description	interleukin 12B (natural killer cell stimulatory factor 2, cytotoxic lymphocyte maturation factor 2, p40)
Omim ID	161561 177900 209950 600807
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	IL12, subunit p40 OTTHUMP00000160820 cytotoxic lymphocyte maturation factor 2, p40 interleukin 12, p40 interleukin 12B interleukin-12 beta chain natural killer cell stimulatory factor, 40 kD subunit natural killer cell stimulatory factor-2

Pathway

- [Allograft rejection](#)
- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)
- [Toll-like receptor signaling pathway](#)
- [Type I diabetes mellitus](#)

Disease

- [Abscess](#)
- [Acquired Immunodeficiency Syndrome](#)

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Aggressive Periodontitis](#)
- [AIDS Dementia Complex](#)
- [Alcoholism](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Barrett Esophagus](#)
- [Behcet Syndrome](#)
- [Brain Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cadaver](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chagas Cardiomyopathy](#)
- [Chorioamnionitis](#)
- [Chronic Periodontitis](#)
- [Colitis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Crohn Disease](#)

- [Cytomegalovirus Infections](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Giant Cell Arteritis](#)
- [Glioma](#)
- [Graves Disease](#)
- [Graves Ophthalmopathy](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hernia](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hyperglycemia](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Immune System Diseases](#)

- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Leprosy](#)
- [Leptospirosis](#)
- [Liver Cirrhosis](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Lymphadenitis](#)
- [Lymphatic Metastasis](#)
- [Lymphocytosis](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Malaria](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)
- [Mycobacterium Infections](#)
- [Myocardial Infarction](#)
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- [Occupational Diseases](#)

- [Osteolysis](#)
- [Pain](#)
- [Papillomavirus Infections](#)
- [Parasitemia](#)
- [Paratyphoid Fever](#)
- [Peptic Ulcer](#)
- [Peptic Ulcer Hemorrhage](#)
- [Periodontitis](#)
- [Polymyalgia Rheumatica](#)
- [Postoperative Complications](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Prosthesis Failure](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Rectal Fistula](#)
- [Respiratory Hypersensitivity](#)
- [Respiratory Syncytial Virus Infections](#)
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- [Rhinitis](#)
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- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Sepsis](#)

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- [Syndrome](#)
- [Thoracic Neoplasms](#)
- [Thyroiditis](#)
- [Tuberculosis](#)
- [Typhoid Fever](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)