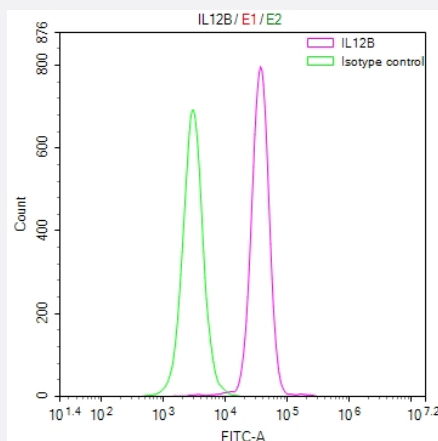


RecomAb™

IL12B recombinant monoclonal antibody, clone 10B10

Catalog # RAB07706 Size 100 uL

Applications



Flow Cytometry

Overlay Peak curve showing A549 cells stained with IL12B recombinant monoclonal antibody, clone 10B10 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IL12B.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human IL12B.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)

Storage Instruction

Store at -20°C or -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Overlay Peak curve showing A549 cells stained with IL12B recombinant monoclonal antibody, clone 10B10 (red line) at 1:50.

Gene Info — IL12B

Entrez GeneID[3593](#)**Protein Accession#**[P29460](#)**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

IL 12, 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](#)
- [Neoplasm Invasiveness](#)
- [Obstetric Labor](#)
- [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](#)
- [Respiratory Tract Infections](#)
- [Rhinitis](#)
- [Rubella](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Sepsis](#)
- [Severe Acute Respiratory Syndrome](#)
- [Silicosis](#)
- [Stomach Neoplasms](#)
- [Streptococcal Infections](#)
- [Stroke](#)
- [Subacute Sclerosing Panencephalitis](#)
- [Substance Abuse](#)
- [Syndrome](#)
- [Thoracic Neoplasms](#)
- [Thyroiditis](#)
- [Tuberculosis](#)
- [Typhoid Fever](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)

- [Werner syndrome](#)