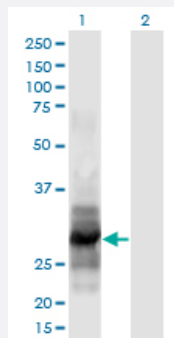


IL12A monoclonal antibody (M02), clone 1A6

Catalog # H00003592-M02

Size 100 ug

Applications

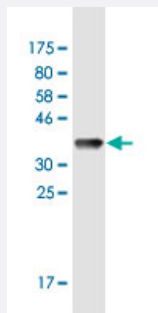


Western Blot (Transfected lysate)

Western Blot analysis of IL12A expression in transfected 293T cell line by IL12A monoclonal antibody (M02), clone 1A6.

Lane 1: IL12A transfected lysate (Predicted MW: 28.3 KDa).

Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (37.62 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant IL12A.
Immunogen	IL12A (NP_000873.2, 144 a.a. ~ 253 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CLASRKTSFMMALCLSSIEDLKMYQVEFKTMNAKLLMDPKRQIFLDQNMLAVIDELMQALNFNS ETVPQKSSLEEPDFYKTKIKLCILLHAFRIRAVTIDRVMSYLNAS
Host	Mouse
Reactivity	Human
Isotype	IgG2b Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.62 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 (Transfected lysate)

Western Blot analysis of IL12A expression in transfected 293T cell line by IL12A monoclonal antibody (M02), clone 1A6.

Lane 1: IL12A transfected lysate (Predicted MW: 28.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — IL12A

Entrez GeneID

[3592](#)

GeneBank Accession#

[NM_000882](#)

Protein Accession#

[NP_000873.2](#)

Gene Name

IL12A

Gene Alias

CLMF, IL-12A, NFSK, NKSF1, P35

Gene Description

interleukin 12A (natural killer cell stimulatory factor 1, cytotoxic lymphocyte maturation factor 1, p35)

Omim ID

[161560](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a subunit of a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. The cytokine is a disulfide-linked heterodimer composed of the 35-kD subunit encoded by this gene, and a 40-kD subunit that is a member of the cytokine receptor family. This cytokine is required for the T-cell-independent induction of interferon (IFN)-gamma, and is important for the differentiation of both Th1 and Th2 cells. The responses of lymphocytes to this cytokine are mediated by the activator of transcription protein STAT4. Nitric oxide synthase 2A (NOS2A/NOS2) is found to be required for the signaling process of this cytokine in innate immunity. [provided by RefSeq]

Other Designations

IL-12, subunit p35|NF cell stimulatory factor chain 1|cytotoxic lymphocyte maturation factor 1, p35|interleukin 12, p35|interleukin 12A|interleukin-12 alpha chain|natural killer cell stimulatory factor 1, 35 kD subunit

Pathway

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

Disease

- [Abortion](#)
- [Acquired Immunodeficiency Syndrome](#)
- [Adenocarcinoma](#)
- [Alveolitis](#)
- [Alzheimer Disease](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)
- [Autoimmune Diseases](#)
- [Breast Neoplasms](#)

- [Bronchiolitis](#)
- [Bronchopulmonary Dysplasia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Colorectal Neoplasms](#)
- [Common Variable Immunodeficiency](#)
- [Coronary Artery Disease](#)
- [Dermatitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Ductus Arteriosus](#)
- [Edema](#)
- [Enterocolitis](#)
- [Esophageal Neoplasms](#)
- [Fetal Membranes](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Hemorrhage](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hepatitis B](#)
- [Hepatitis C](#)

- [Herpesviridae Infections](#)
- [Hodgkin Disease](#)
- [Hypersensitivity](#)
- [Hypotension](#)
- [Idiopathic Pulmonary Fibrosis](#)
- [Infant](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Malaria](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Mental Disorders](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)
- [Nasopharyngeal Neoplasms](#)
- [Neuropsychological Tests](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)

- [Osteoarthritis](#)
- [Papillomavirus Infections](#)
- [Pemphigus](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Pneumonia](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Proteinuria](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Pulmonary Fibrosis](#)
- [Recurrence](#)
- [Respiratory Distress Syndrome](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Sarcoma](#)
- [Schizophrenia](#)
- [Scleroderma](#)
- [Skin Neoplasms](#)
- [Skin Ulcer](#)
- [Stomach Neoplasms](#)
- [Stomatitis](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Uterine Cervical Neoplasms](#)

- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)