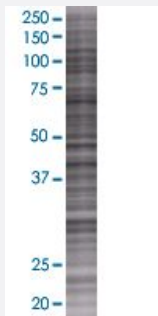


IL12RB1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003594-T02

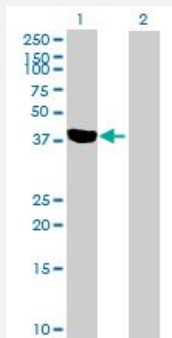
Size 100 uL

Applications



SDS-PAGE Gel

IL12RB1 transfected lysate.



Western Blot

Lane 1: IL12RB1 transfected lysate (42.4 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-IL12RB1 full-length
Host	Human
Theoretical MW (kDa)	42.4
Interspecies Antigen Sequence	Mouse (47); Rat (47)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-IL12RB1 antibody ([H00003594-B02](#)) by Western Blots.
SDS-PAGE Gel
IL12RB1 transfected lysate.
Western Blot
Lane 1: IL12RB1 transfected lysate (42.4 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

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

Applications

- Western Blot

Gene Info — IL12RB1

Entrez GeneID

[3594](#)

GeneBank Accession#

[BC029121](#)

Protein Accession#

[AAH29121](#)

Gene Name

IL12RB1

Gene Alias

CD212, IL-12R-BETA1, IL12RB, MGC34454

Gene Description

interleukin 12 receptor, beta 1

Omim ID

[209950 601604](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex. This protein forms a disulfide-linked oligomer, which is required for its IL12 binding activity. The coexpression of this and IL12RB2 proteins was shown to lead to the formation of high-affinity IL12 binding sites and reconstitution of IL12 dependent signaling. The lack of expression of this gene was found to result in the immunodeficiency of patients with severe mycobacterial and Salmonella infections. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations

IL-12 receptor beta component|interleukin-12 receptor beta-1 chain

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chorioamnionitis](#)
- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)

- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Hyperparathyroidism](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammation](#)
- [Leiomyoma](#)
- [Leprosy](#)
- [Liver Cirrhosis](#)
- [Liver Neoplasms](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Lymphadenitis](#)
- [Lymphoproliferative Disorders](#)
- [Malaria](#)
- [Multiple Myeloma](#)
- [Mycobacterium avium-intracellulare Infection](#)
- [Mycobacterium Infections](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Pain](#)
- [Periodontitis](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)

- [Psoriasis](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Severe Acute Respiratory Syndrome](#)
- [Subacute Sclerosing Panencephalitis](#)
- [Tuberculosis](#)
- [Uterine Neoplasms](#)
- [Viremia](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)