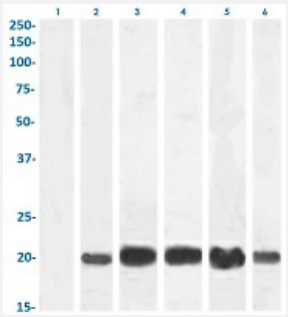
RecomAb™

IL2 recombinant monoclonal antibody, clone LNKB-2

Catalog # RAB03577 Size 200 ug

Applications



Western Blot

Western blot analysis of Lane 1: human peripheral blood monocyte (untreated), Lane 2: human peripheral blood monocyte (treated with PMA/Ionomycin), Lane 3: human spleen, Lane 4: human thymus, Lane 5: Jurkat cell and Lane 6: Molt4 cell with IL2 recombinant monoclonal antibody, clone LNKB-2 (Cat # RAB03577).
Western Blot analysis the lysates (35ug protein in RIPA buffer) were resolved on a 15% SDS PAGE gel and blots probed with the chimeric r version of RAB03577 at 1 ug/mL (Lane 1-2) or 0.1 ug/mL (Lane 3-6)before detection using an anti-rondary antibody. Protein was detected by chemiluminescence.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IL2.
Antibody Species	Rabbit
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG
Recommend Usage	ELISA Immunofluorescence Immunoprecipitation Western Blot The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS (0.02% Proclin 300)
Storage Instruction	Store at 4°C for 3 months. For long term storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay
- Immunoprecipitation
- Western Blot

Western blot analysis of Lane 1: human peripheral blood monocyte (untreated), Lane 2: human peripheral blood monocyte (treated with PMA/Ionomycin), Lane 3: human spleen, Lane 4: human thymus, Lane 5: Jurkat cell and Lane 6: Molt4 cell with IL2 recombinant monoclonal antibody, clone LNKB-2 (Cat # RAB03577).
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Gene Info — IL2

Entrez GeneID	3558
Gene Name	IL2
Gene Alias	IL-2, TCGF, lymphokine
Gene Description	interleukin 2
Omim ID	147680
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gam ma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene i n mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling th e precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune respon se to antigenic stimuli. [provided by RefSeq
Other Designations	T cell growth factor|aldesleukin|interleukin-2|involved in regulation of T-cell clonal expansion

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Pathway

- Allograft rejection
- Autoimmune thyroid disease
- Cytokine-cytokine receptor interaction
- Graft-versus-host disease
- Jak-STAT signaling pathway
- T cell receptor signaling pathway
- Type I diabetes mellitus

Disease

- Abscess
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Addison Disease
- Adenocarcinoma
- Aggressive Periodontitis
- Alopecia Areata
- Alveolar Bone Loss
- Alveolitis
- Alzheimer disease
- Arthralgia
- Arthritis
- Asthma
- Atherosclerosis
- Autoimmune Diseases

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- Barrett Esophagus
- Berylliosis
- Breast Neoplasms
- Bronchiolitis
- Brucellosis
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Celiac Disease
- Chagas Disease
- Chorioamnionitis
- Chronic Disease
- Chronic Periodontitis
- Colitis
- Common Cold
- Common Variable Immunodeficiency
- Connective Tissue Diseases
- Coronary Artery Disease
- Crohn Disease
- Cystic fibrosis

- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Duodenal Ulcer
- Edema

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- Epstein-Barr Virus Infections
- Esophageal Neoplasms
- Esophagitis
- Fetal Diseases
- Fetal Membranes
- Gastritis
- Gastrointestinal Neoplasms
- Genetic Predisposition to Disease
- Gonorrhea
- Graft vs Host Disease
- Graves Disease
- Hashimoto Disease
- Helicobacter Infections
- Hematologic Diseases
- Hepatitis B
- Hepatitis C
- Hernia
- HIV Infections
- Hodgkin Disease
- Hyperglycemia
- Hyperparathyroidism
- Hypersensitivity
- Hypertension
- Idiopathic Pulmonary Fibrosis
- Immune System Diseases
- Infant

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- Infection
- Inflammation
- Intervertebral Disk Displacement
- Irritable Bowel Syndrome
- Kidney Diseases
- Kidney Failure
- Leiomyoma
- Leprosy
- Leptospirosis
- Leukemia
- Lichen Planus
- Liver Cirrhosis
- Liver Neoplasms
- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Mental Disorders
- Metabolic Syndrome X
- Multiple Myeloma
- Multiple Sclerosis
- Musculoskeletal Diseases

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- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasms
- Neuroendocrine Tumors
- Neuropsychological Tests
- Obstetric Labor
- Occupational Diseases
- Osteolysis
- Osteoporosis
- Pain
- Pancreatic Neoplasms
- Parasitic Diseases
- Parkinson disease
- Pemphigus
- Peptic Ulcer
- Periodontal Attachment Loss
- Periodontal Pocket
- Periodontitis
- Postoperative Complications
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Prosthesis Failure
- Psoriasis

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- Psychiatric Status Rating Scales
- Pulmonary Disease
- Pulmonary Fibrosis
- Purpura
- Radiation Injuries
- Radiation Pneumonitis
- Renal Artery Obstruction
- Respiratory Hypersensitivity
- Respiratory Syncytial Virus Infections
- Respiratory Tract Infections
- Rhinitis
- Sarcoidosis
- Schizophrenia
- Sciatica
- Scleroderma
- Sepsis
- Skin Diseases
- Skin Neoplasms
- Skin Ulcer
- Stomach Neoplasms
- Stomach Ulcer
- Subacute Sclerosing Panencephalitis
- Thoracic Neoplasms
- Tuberculosis
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms

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- Uterine Neoplasms
- Vaginosis
- Vascular Diseases
- Vulvar Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome

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