

IL4R rabbit monoclonal antibody

Catalog # H00003566-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human IL4R peptide using ARM Technology.
Immunogen	A synthetic peptide of human IL4R is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human IL4R peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — IL4R

Entrez GeneID	3566
GeneBank Accession#	IL4R
Gene Name	IL4R
Gene Alias	CD124, IL4RA
Gene Description	interleukin 4 receptor
Omim ID	147050 147781 609423
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the alpha chain of the interleukin-4 receptor, a type I transmembrane protein that can bind interleukin 4 and interleukin 13 to regulate IgE production. The encoded protein also can bind interleukin 4 to promote differentiation of Th2 cells. A soluble form of the encoded protein can be produced by an alternate splice variant or by proteolysis of the membrane-bound protein, and this soluble form can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. All elic variations in this gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema. Two transcript variants encoding different isoforms, a membrane-bound and a soluble form, have been found for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000122506 interleukin 4 receptor alpha chain interleukin-4 receptor alpha chain

Pathway

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

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)

- [Albuminuria](#)
- [Alveolar Bone Loss](#)
- [Alveolitis](#)
- [Alzheimer Disease](#)
- [Anemia](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Bacterial Infections](#)
- [Blood Coagulation Disorders](#)
- [Brain Ischemia](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Cadaver](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Central Nervous System Neoplasms](#)
- [Cerebrovascular Accident](#)
- [Chlamydia Infections](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)

- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Common Cold](#)
- [Conjunctivitis](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Critical Illness](#)
- [Cystic fibrosis](#)
- [Cystitis](#)
- [Deafness](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Hypersensitivity](#)
- [Eczema](#)
- [Edema](#)
- [Encephalomyelitis](#)
- [Enterocolitis](#)
- [Eosinophilia](#)
- [Epidermal Necrolysis](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)

- [Fibrosis](#)
- [Food Hypersensitivity](#)
- [Gastritis](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Graft vs Host Disease](#)
- [Graves Disease](#)
- [Hearing Loss](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hepatitis](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hodgkin Disease](#)
- [Hyperparathyroidism](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Idiopathic Pulmonary Fibrosis](#)
- [Infant](#)
- [Infection](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Intervertebral Disk Displacement](#)

- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
- [Leptospirosis](#)
- [Liver Cirrhosis](#)
- [Liver Diseases](#)
- [Lung Diseases](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Malaria](#)
- [Malignant melanoma](#)
- [Measles](#)
- [Melanoma](#)
- [Mental Disorders](#)
- [Metaplasia](#)
- [Migraine Disorders](#)
- [Multiple Myeloma](#)
- [Multiple Sclerosis](#)
- [Mumps](#)
- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Neoplasm Metastasis](#)
- [Nephrosis](#)
- [Nephrotic Syndrome](#)

- [Nervous System Diseases](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Osteoarthritis](#)
- [Osteolysis](#)
- [Osteoporosis](#)
- [Ovarian cancer](#)
- [Pain](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Pemphigoid](#)
- [Pemphigus](#)
- [Periodontitis](#)
- [Postoperative Complications](#)
- [Precancerous Conditions](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prosthesis Failure](#)
- [Psoriasis](#)
- [Pulmonary Disease](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)

- [Recurrence](#)
- [Respiratory Hypersensitivity](#)
- [Respiratory Sounds](#)
- [Respiratory Syncytial Virus Infections](#)
- [Rheumatoid Nodule](#)
- [Rhinitis](#)
- [Rubella](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Sciatica](#)
- [Scleroderma](#)
- [Sepsis](#)
- [Shock](#)
- [Skin Diseases](#)
- [Skin Neoplasms](#)
- [Skin Ulcer](#)
- [Stevens-Johnson Syndrome](#)
- [Stomach Neoplasms](#)
- [Stroke](#)
- [Subacute Sclerosing Panencephalitis](#)
- [Trachoma](#)
- [Urinary Bladder Neoplasms](#)
- [Urticaria](#)
- [Uterine Cervical Neoplasms](#)
- [Vaginitis](#)
- [Waldenstrom Macroglobulinemia](#)

- [Werner syndrome](#)
- [Wounds and Injuries](#)