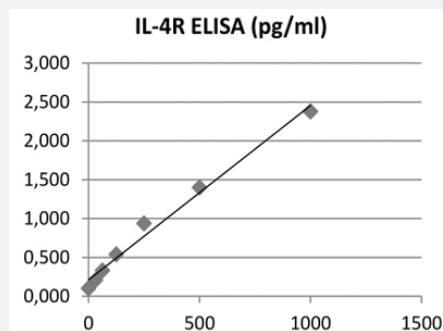


IL4R (Human) ELISA Kit

Catalog # KA3850 Size 1 Kit

Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	IL4R (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human IL4R.
Suitable Sample	Cell Culture Supernatant, Plasma, Serum
Sample Volume	100 μ L
Label	Biotin-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	4.95%
Inter-Assay	6.85%
Calibration Range	31.25 pg/ml-1000 pg/ml
Limit of Detection	<11.5 pg/ml
Reactivity	Human
Regulation Status	For research use only (RUO)

Quality Control Testing

Standard curve

The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Storage Instruction

Store the kit at 4°C.

Applications

- Quantification

Gene Info — IL4R

Entrez GeneID

[3566](#)

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](#)
- [Vaginosis](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)
- [Wounds and Injuries](#)