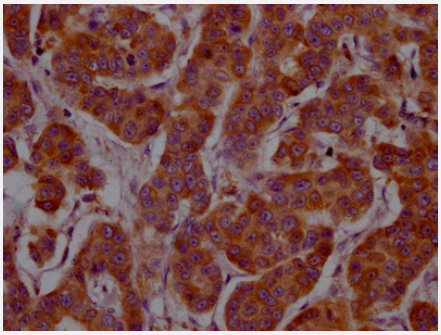
RecomAb™

IL4 recombinant monoclonal antibody, clone 5D8

Catalog # RAB04070 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of IL4 recombinant monoclonal antibody, clone 5D8 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human IL4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human IL4.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)

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Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of IL4 recombinant monoclonal antibody, clone 5D8 diluted at 1:100 and staining in paraffin-embedded human breast cancer performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — IL4

Entrez GeneID	3565
Protein Accession#	P05112
Gene Name	IL4
Gene Alias	BCGF-1, BCGF1, BSF1, IL-4, MGC79402
Gene Description	interleukin 4
Omim ID	147780
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cyt okine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which ma y contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer a nd activator of transcription, has been shown to play a central role in mediating the immune regula tory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on ch romosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be re gulated coordinately by several long-range regulatory elements in an over 120 kilobase range on t he chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isofor ms have been reported. [provided by RefSeq
Other Designations	B cell growth factor 1|B_cell stimulatory factor 1|lymphocyte stimulatory factor 1

Pathway

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- Allograft rejection
- Asthma
- Autoimmune thyroid disease
- Cytokine-cytokine receptor interaction
- Fc epsilon RI signaling pathway
- Hematopoietic cell lineage
- Jak-STAT signaling pathway
- T cell receptor signaling pathway

Disease

- Abortion
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Adenocarcinoma
- Aggressive Periodontitis
- AIDS Dementia Complex
- Albuminuria
- Alcoholism
- Alveolar Bone Loss
- Alveolitis
- Alzheimer disease
- Arthritis
- Asthma
- Atherosclerosis
- Autoimmune Diseases
- Bacteremia

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- Biliary Tract Neoplasms
- Bone Diseases
- Brain Ischemia
- Brain Neoplasms
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchiolitis
- Bronchopulmonary Dysplasia
- Brucellosis
- Cadaver
- Calcinosis
- Candidiasis
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Celiac Disease
- Central Nervous System Neoplasms
- Cerebral Infarction
- Cerebrovascular Accident
- Chagas Disease
- Chlamydia Infections
- Cholecystolithiasis
- Choledocholithiasis
- Chorioamnionitis
- Chronic Disease

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- Chronic Periodontitis
- Cognition Disorders
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Common Variable Immunodeficiency
- Communicable Diseases
- Conjunctivitis
- Connective Tissue Diseases
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Cystitis
- Dengue
- Dental Plaque
- Dermatitis
- Dermatomyositis
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Drug Hypersensitivity
- Ductus Arteriosus
- Edema

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- Endometriosis
- Enterocolitis
- Epidermal Necrolysis
- Epilepsy
- Esophageal Neoplasms
- Esophagitis
- Fatigue Syndrome
- Fetal Diseases
- Fetal Membranes
- Fibromyalgia
- Food Hypersensitivity
- Gastritis
- Genetic Predisposition to Disease
- Gingival Hemorrhage
- Glioblastoma
- Glioma
- Glomerulonephritis
- Gout
- Graft vs Host Disease
- Graves Disease
- Graves Ophthalmopathy
- Hashimoto Disease
- Helicobacter Infections
- Hematologic Diseases
- Hemophilia A

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- Hepatitis
- Hepatitis B
- Hepatitis C
- Herpesviridae Infections
- Histiocytosis
- HIV Infections
- Hodgkin Disease
- Hyperglycemia
- Hyperparathyroidism
- Hypersensitivity
- Hypertension
- Idiopathic Pulmonary Fibrosis
- Infant
- Infection
- Inflammation
- Inflammatory Bowel Diseases
- Intervertebral Disk Displacement
- Inversion
- Irritable Bowel Syndrome
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms
- Leiomyoma
- Leishmaniasis
- Leptospirosis
- Leukemia

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- Lichen Planus
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders
- Malaria
- Malignant melanoma
- Melanoma
- Meningococcal Infections
- Mental Disorders
- Metabolic Syndrome X
- Metaplasia
- Migraine Disorders
- Mitral Valve Prolapse
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Multiple Myeloma
- Multiple Organ Failure
- Multiple Sclerosis
- Multiple Trauma
- Musculoskeletal Diseases

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- Myocardial Infarction
- Myocardial Ischemia
- Myositis
- Nasal Polyps
- Neoplasm Invasiveness
- Neoplasms
- Nephrosis
- Nephrotic Syndrome
- Neuropsychological Tests
- Obesity
- Obstetric Labor
- Occupational Diseases
- Osteoarthritis
- Osteolysis
- Osteomyelitis
- Osteoporosis
- Otitis Media
- Pain
- Pancreatic cancer
- Pancreatic Neoplasms
- Paracoccidioidomycosis
- Parasitemia
- Parasitic Diseases
- Parkinson disease
- Pemphigoid
- Pemphigus

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- Peptic Ulcer
- Periodontal Attachment Loss
- Periodontal Pocket
- Periodontitis
- Placenta Diseases
- Polymyositis
- Postoperative Complications
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prenatal Exposure Delayed Effects
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Prosthesis Failure
- Psoriasis
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Pulmonary Fibrosis
- Purpura
- Q Fever
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Hypersensitivity

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- Respiratory Sounds
- Respiratory Syncytial Virus Infections
- Retinal Vein Occlusion
- Rheumatic Heart Disease
- Rhinitis
- Sarcoidosis
- Sarcoma
- Schistosomiasis japonica
- Schistosomiasis mansoni
- Schizophrenia
- Sciatica
- Scleroderma
- Seizures
- Sepsis
- Severe Acute Respiratory Syndrome
- Shock
- Skin Diseases
- Skin Neoplasms
- Skin Ulcer
- Spondylitis
- Staphylococcal Infections
- Stevens-Johnson Syndrome
- Stomach Neoplasms
- Stroke
- Subacute Sclerosing Panencephalitis
- Sudden Infant Death

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- Temporal Arteritis
- Thoracic Neoplasms
- Trachoma
- Trypanosomiasis
- Tuberculosis
- Urinary Bladder Neoplasms
- Urticaria
- Uterine Neoplasms
- Vaginosis
- Viremia
- Vitiligo
- Waldenstrom Macroglobulinemia
- Werner syndrome

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