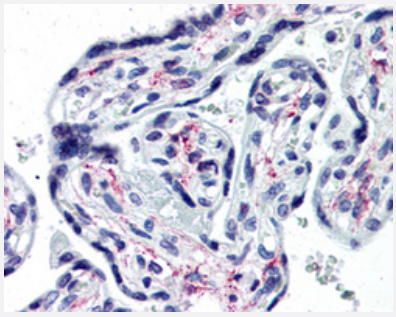
IL1R1 monoclonal antibody, clone 40101

Catalog # MAB12554 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with IL1R1 monoclonal antibody, clone 40101 (Cat # MAB12554) at 10 ug/mL working concentration.

Specification

Product Description	Mouse monoclonal antibody raised against human IL1R1.
Immunogen	The extracellular domain of the human IL1R1.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Isotype	IgG2b
Recommend Usage	ELISA Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (10 ug/mL) Radioimmunoassay The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4.
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

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Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human placenta with IL1R1 monoclonal antibody, clone 40101 (Cat # MAB12554) at 10 ug/mL working concentration.

- Enzyme-linked Immunoabsorbent Assay

- Radioimmunoassay

Gene Info — IL1R1

Entrez GeneID	3554
Gene Name	IL1R1
Gene Alias	CD121A, D2S1473, IL-1R-alpha, IL1R, IL1RA, P80
Gene Description	interleukin 1 receptor, type I
Omim ID	147810
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytokine receptor that belongs to the interleukin 1 receptor family. This protein is a receptor for interleukin alpha (IL1A), interleukin beta (IL1B), and interleukin 1 receptor, type I(IL1R1/IL1RA). It is an important mediator involved in many cytokine induced immune and inflammatory responses. This gene along with interleukin 1 receptor, type II (IL1R2), interleukin 1 receptor-like 2 (IL1RL2), and interleukin 1 receptor-like 1 (IL1RL1) form a cytokine receptor gene cluster in a region mapped to chromosome 2q12. [provided by RefSeq
Other Designations	OTTHUMP00000161344|antigen CD121a|interleukin 1 receptor alpha, type I|interleukin receptor 1

Publication Reference

- The interleukin-1 receptor type-1 in disturbed flow-induced endothelial mesenchymal activation.

  Evan Kidder, Meleah Pea, Siyuan Cheng, Satya-Priya Koppada, Suren Visvanathan, Quartina Henderson, Moe Thuzar, Xiuping Yu, Mabruka Alfaidi

  Front Cardiovasc Med 2023 Aug; 10:1190460.

  Application : IHC

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Pathway

- Apoptosis
- Cytokine-cytokine receptor interaction
- Hematopoietic cell lineage
- MAPK signaling pathway

Disease

- Acquired Immunodeficiency Syndrome
- Acute Disease
- Albuminuria
- Alcoholism
- Alveolar Bone Loss
- Alveolitis
- Alzheimer disease
- Anemia
- Arthritis
- Asthma
- Atherosclerosis
- Bone Resorption
- Brain Ischemia
- Bronchiolitis
- Cadaver
- Calcinosis
- Carcinoma
- Cardiovascular Diseases

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- Cerebrovascular Disorders
- Chlamydophila Infections
- Chorioamnionitis
- Chronic Disease
- Colitis
- Common Variable Immunodeficiency
- Connective Tissue Diseases
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Crohn Disease
- Cystic fibrosis
- Dengue
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- Edema
- Endometriosis
- Epilepsy
- Esophageal Neoplasms
- Esophagitis

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- Fatigue Syndrome
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Glomerulonephritis
- Gout
- Graft vs Host Disease
- Graves Disease
- Graves Ophthalmopathy
- Head and Neck Neoplasms
- Helicobacter Infections
- Hematologic Diseases
- Hematuria
- Hemorrhagic Fever with Renal Syndrome
- Hepatitis B
- HIV Seropositivity
- Hodgkin Disease
- Hypercholesterolemia
- Hypertension
- Idiopathic Pulmonary Fibrosis
- Infant
- Infection
- Inflammation
- Inflammatory Bowel Diseases
- Intervertebral Disk Displacement
- Irritable Bowel Syndrome

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- Laryngeal Neoplasms
- Leptospirosis
- Leukemia
- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoproliferative Disorders
- Malaria
- Meningococcal Infections
- Mental Disorders
- Metabolic Diseases
- Metabolic Syndrome X
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myocardial Infarction
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Neuropsychological Tests
- Obesity
- Obstetric Labor
- Occupational Diseases
- Osteoarthritis
- Osteolysis

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- Osteoporosis
- Ovarian cancer
- Ovarian Neoplasms
- Pain
- Parasitemia
- Paratyphoid Fever
- Pemphigus
- Periodontal Attachment Loss
- Periodontal Diseases
- Periodontitis
- Pharyngeal Neoplasms
- Postoperative Complications
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prosthesis Failure
- Proteinuria
- Psoriasis
- Pulmonary Fibrosis
- Q Fever

- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Syncytial Virus Infections
- Sarcoidosis

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- Schizophrenia
- Scleroderma
- Seizures
- Sepsis
- Skin Diseases
- Skin Ulcer
- Spondylitis
- Stomach Neoplasms
- Stroke
- Thyroiditis
- Tuberculosis
- Typhoid Fever
- Urinary Bladder Neoplasms
- Urinary Calculi
- Venous Thrombosis
- Waldenstrom Macroglobulinemia
- Werner syndrome

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