IL1B monoclonal antibody, clone S1B7

Catalog # MAB6281 Size 500 ug

Specification

Product Description	Mouse monoclonal antibody raised against recombinant IL1B.
Immunogen	Recombinant protein corresponding to human IL1B.
Host	Mouse
Reactivity	Human
Form	Lyophilized
Isotype	IgG1, kappa
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 10 mM PBS, pH 7.2
Storage Instruction	Store at -20°C. Aliquot after reconstitution to avoid repeated freezing and thawing.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — IL1B

Entrez GeneID	3553
Gene Name	IL1B
Gene Alias	IL-1, IL1-BETA, IL1F2
Gene Description	interleukin 1, beta

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Omim ID	137215 147720
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its acti ve form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory re sponse, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central n ervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and ei ght other interleukin 1 family genes form a cytokine gene cluster on chromosome 2. [provided by RefSeq
Other Designations	catabolin|preinterleukin 1 beta|pro-interleukin-1-beta

Pathway

- Apoptosis
- Cytokine-cytokine receptor interaction
- Graft-versus-host disease
- Hematopoietic cell lineage
- MAPK signaling pathway
- Prion diseases
- Toll-like receptor signaling pathway
- Type I diabetes mellitus

Disease

- Abortion
- Abscess
- Achlorhydria
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Adenocarcinoma

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- Adenomatous Polyps
- Aggressive Periodontitis
- AIDS Dementia Complex
- Albuminuria
- Alcoholism
- Alopecia Areata
- Alveolar Bone Loss
- Alzheimer disease
- Amyloidosis
- Anemia
- Aneurysm
- Anorexia
- Anorexia Nervosa
- Aortic Aneurysm
- Aortic Rupture
- Appendicitis
- Appetite
- Arterial Occlusive Diseases
- Arteriosclerosis
- Arthralgia
- Arthritis
- Aspergillosis
- Asphyxia Neonatorum
- Asthma
- Atherosclerosis
- Atrial Fibrillation

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- Atrophy
- Autoimmune Diseases
- Azoospermia
- Bacteremia
- Bacterial Infections
- Behcet Syndrome
- Berylliosis
- Biliary Atresia
- Biliary Tract Neoplasms
- Bipolar Disorder
- Blood Coagulation Disorders
- Bone Diseases
- Bone Marrow Diseases
- Bone Resorption
- Brain Damage
- Brain Edema
- Brain Hemorrhage
- Brain Injuries
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchiolitis
- Bulimia
- Burning Mouth Syndrome
- Burns

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- Cachexia
- Cadaver
- Calcinosis
- Campylobacter Infections
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Celiac Disease
- Cell Transformation
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Chagas Cardiomyopathy
- Chagas Disease
- Chlamydia Infections
- Chlamydophila Infections
- Chorioamnionitis
- Choroidal Neovascularization
- Chronic Disease
- Chronic Periodontitis
- Cognition
- Cognition Disorders
- Colitis
- Colon cancer

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- Colonic Neoplasms
- Colonic Polyps
- Colorectal Neoplasms
- Common Variable Immunodeficiency
- Communicable Diseases
- Connective Tissue Diseases
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Critical Illness
- Crohn Disease
- Cystic fibrosis
- Death
- Delayed Graft Function
- Dementia
- Dental Calculus
- Dental Fistula
- Dental Occlusion
- Dental Plaque
- Depressive Disorder
- Dermatitis
- Dermatomyositis
- Diabetes Complications
- Diabetes Mellitus

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- Diabetic Nephropathies
- Disease Progression
- Disease Susceptibility
- Drug Eruptions
- Ductus Arteriosus
- Duodenal Ulcer
- Dyspepsia
- Dysthymic Disorder
- Edema
- Encephalitis
- Endometriosis
- Enterocolitis
- Epilepsy
- Epstein-Barr Virus Infections
- Erythema
- Esophageal Neoplasms
- Esophagitis
- Fabry Disease
- Fallopian Tube Diseases
- Familial Mediterranean fever
- Fatigue
- Fatigue Syndrome
- Fatty Liver
- Fetal Death
- Fetal Diseases

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- Fetal Membranes
- Fever
- Gallbladder Neoplasms
- Gastritis
- Gastroenteritis
- Gastroesophageal Reflux
- Gastrointestinal Diseases
- Genetic Predisposition to Disease
- Genomic Instability
- Gingival Hemorrhage
- Gingival Recession
- Gingivitis
- Glaucoma
- Glomerulonephritis
- Glossitis
- Gout
- Graft vs Host Disease
- Gram-Negative Bacterial Infections
- Graves Disease
- Graves Ophthalmopathy
- Hashimoto Disease
- Heartburn
- Helicobacter Infections
- HELLP Syndrome
- Hematologic Diseases
- Hematologic Neoplasms

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- Hematuria
- Hemolysis
- Hemophilia A
- Hemorrhagic Fever with Renal Syndrome
- Hepatitis
- Hepatitis B
- Hepatitis C
- HIV Infections
- Hodgkin Disease
- HTLV-I Infections
- Hypercholesterolemia
- Hypersensitivity
- Hypertension
- Hypoxia-Ischemia
- Infant
- Infection
- Infertility
- Inflammation
- Inflammatory Bowel Diseases
- Insulin Resistance
- Intervertebral Disk Degeneration
- Intervertebral Disk Displacement
- Intestinal Neoplasms
- Intracranial Arteriosclerosis
- Intracranial Arteriovenous Malformations
- Inversion

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- Irritable Bowel Syndrome
- Jaw
- Keratoconus
- Kidney Diseases
- Kidney Failure
- Laryngeal Neoplasms
- Leiomyoma
- Leptospirosis
- Leukemia
- Lichen Planus
- Lipodystrophy
- Liver Cirrhosis
- Liver Diseases
- Liver Failure
- Liver Neoplasms
- Low Back Pain
- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Lymphadenitis
- Lymphatic Diseases
- Lymphatic Metastasis
- Lymphoma
- Lymphoproliferative Disorders

- Macular Degeneration
- Malaria

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- Malignant melanoma
- Mandibular Diseases
- Maxillary Diseases
- Measles
- Melanoma
- Memory
- Meningococcal Infections
- Mental Disorders
- Mental Processes
- Metabolic Syndrome X
- Metaplasia
- Migraine Disorders
- Mitral Valve Prolapse
- Mood Disorders
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Multiple Myeloma
- Multiple Organ Failure
- Multiple Sclerosis
- Multiple System Atrophy
- Multiple Trauma
- Mumps
- Musculoskeletal Diseases
- Mycobacterium Infections
- Myocardial Infarction
- Nasal Polyps

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- Nasopharyngeal Neoplasms
- Neoplasm Invasiveness
- Neoplasm Metastasis
- Neoplasm Recurrence
- Neoplasms
- Neovascularization
- Nephritis
- Nephrolithiasis
- Nephrotic Syndrome
- Nerve Degeneration
- Nervous System Diseases
- Neuropsychological Tests
- Neutropenia
- Obesity
- Obstetric Labor
- Occupational Diseases
- Ocular Hypertension
- Oligospermia
- Opioid-Related Disorders
- Ossification of Posterior Longitudinal Ligament
- Osteitis Deformans
- Osteoarthritis
- Osteolysis
- Osteomyelitis
- Osteoporosis
- Otitis Media

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- Ovarian cancer
- Ovarian Neoplasms
- Pain
- Pancreatic cancer
- Pancreatic Neoplasms
- Pancreatitis
- Papillomavirus Infections
- Paraparesis
- Parasitemia
- Paratyphoid Fever
- Parkinson disease
- Pemphigoid
- Pemphigus
- Peptic Ulcer
- Periapical Periodontitis
- Periodontal Attachment Loss
- Periodontal Diseases
- Periodontal Pocket
- Periodontitis
- Peripheral Vascular Diseases
- Pharyngeal Neoplasms
- Pneumococcal Infections
- Pneumoconiosis
- Polycystic Ovary Syndrome
- Polymyalgia Rheumatica
- Postoperative Complications

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- Postoperative Hemorrhage
- Precancerous Conditions
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Prosthesis Failure
- Proteinuria
- Psoriasis
- Psychiatric Status Rating Scales
- Psychometrics
- Psychomotor Performance
- Psychotic Disorders
- Pterygium
- Puerperal Disorders
- Pulmonary Disease
- Pulmonary Fibrosis
- Purpura
- Q Fever
- Radiation Injuries
- Radiation Pneumonitis
- Recurrence
- Respiratory Hypersensitivity
- Respiratory Syncytial Virus Infections

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- Respiratory Tract Infections
- Retinal Vein Occlusion
- Retinopathy of Prematurity
- Rheumatic Diseases
- Rheumatic Heart Disease
- Rhinitis
- Root Resorption
- Rubella
- Salmonella Infections
- Sarcoidosis
- Sarcoma
- Schizophrenia
- Sciatica
- Scleroderma
- Sclerosis
- Seizures
- Sepsis
- Severe Acute Respiratory Syndrome
- Shock
- Silicosis
- Sinusitis
- Skin Diseases
- Skin Neoplasms
- Skin Ulcer
- Sleep Apnea

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- Small Cell Lung Carcinoma
- Spinal Diseases
- Spinal Osteophytosis
- Spondylitis
- Stomach Diseases
- Stomach Neoplasms
- Stomach Ulcer
- Stomatitis
- Streptococcal Infections
- Stress
- Stroke
- Subarachnoid Hemorrhage
- Sudden Infant Death
- Syndrome
- Systemic Inflammatory Response Syndrome
- Temporal Arteritis
- Thinness
- Thoracic Neoplasms
- Thrombosis
- Thyroid Diseases
- Thyroiditis
- Tooth Diseases
- Tooth Loss
- Tooth Mobility
- Tourette Syndrome
- Trachoma

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- Tuberculosis
- Typhoid Fever
- Uremia
- Urinary Bladder Neoplasms
- Urinary Calculi
- Urolithiasis
- Uterine Cervical Neoplasms
- Uterine Diseases
- Uterine Neoplasms
- Vaginal Diseases
- Vaginosis
- Vasculitis
- Venous Thrombosis
- Viremia
- Vulvar Neoplasms
- Vulvovaginitis
- Waldenstrom Macroglobulinemia
- Wasting Syndrome
- Weight Loss
- Werner syndrome

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