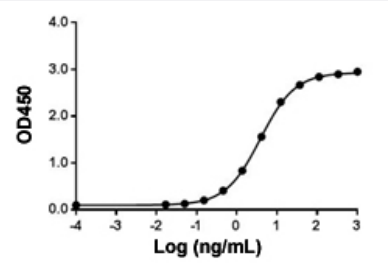
Anti-Ipilimumab recombinant monoclonal antibody, clone 4H6 (Biotin)

Catalog # RAB09588 Size 40 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Anti-Ipilimumab monoclonal antibody, clone 4H6 (Biotin) (Cat # RAB09588) binds with Ipilimumab, while the antibody does not recognize human IgG Fc fragment (data not shown). Coating antigen: Ipilimumab, 1 ug/mL. Anti-Ipilimumab monoclonal antibody, clone 4H6 (Biotin) (Cat # RAB09588) dilution start from 1000 ng/mL. EC_{50} =3.85 ng/mL.

Specification

Product Description	Recombinant mouse monoclonal antibody raised against Ipilimumab. Target gene is CTLA-4.
Immunogen	Ipilimumab.
Host	Mouse
Specificity	The product is specific for Ipilimumab. The antibody is recommended as a detection antibody in a pharmacokinetic (PK) bridging assay with capture antibody Anti-Ipilimumab recombinant monoclonal antibody, clone 26B6H7D9 (Cat # RAB09586).
Form	Lyophilized
Conjugation	Biotin
Preparation Method	This antibody is produced from a hybridoma resulting from the fusion of partner and B-lymphocytes obtained from a mouse immunized with Ipilimumab.
Purification	Protein A purification
Isotype	IgG1

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Recommend Usage	ELISA (ELISA detection: 0.01-0.1 ug/mL) (Direct/Indirect ELISA) The optimal working dilution should be determined by the end user.
Inhibitory IC50	Non-inhibitory
Storage Buffer	Lyophilized from PBS, pH 7.4 (1% BSA, 0.02% sodium azide).
Storage Instruction	Store at -20°C. The lyophilized product remains stable up to 1 year at -20°C from date of receipt. After reconstitution with deionized water (or equivalent) to a final concentration of 0.5 mg/mL, it can b e stored for 2-3 weeks at 2-8°C or for up to 12 months at -20°C or below. 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

- Enzyme-linked Immunoabsorbent Assay

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Gene Info — CTLA4

Entrez GeneID	1493
Gene Name	CTLA4
Gene Alias	CD152, CELIAC3, CTLA-4, GSE, IDDM12
Gene Description	cytotoxic T-lymphocyte-associated protein 4
Omim ID	123890 140300 275000 601388 609755
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the immunoglobulin superfamily and encodes a protein which transmits an inhibitory signal to T cells. The protein contains a V domain, a transmembrane domain, and a c ytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been ch aracterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfid e bond, while the soluble isoform functions as a monomer. Mutations in this gene have been asso ciated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac dis ease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune dise ases. [provided by RefSeq

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Other Designations	OTTHUMP00000163781|cytotoxic T-lymphocyte-associated antigen 4|cytotoxic T-lymphocyte-associated serine esterase-4|ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4

Pathway

- Autoimmune thyroid disease
- Cell adhesion molecules (CAMs)
- T cell receptor signaling pathway

Disease

- Abortion
- Abruptio Placentae
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Addison Disease
- Adenocarcinoma
- Adenoma
- Alcoholism
- Alopecia Areata
- Anemia
- Arthritis
- Asthma
- Atherosclerosis
- Autoimmune Diseases
- Autoimmune polyglandular syndrome
- Behcet Syndrome

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- Bipolar Disorder
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchiolitis
- Bronchitis
- Calcinosis
- Calculi
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Celiac Disease
- Chagas Disease
- Chlamydia Infections
- Cholangitis
- Choriocarcinoma
- Chronic Disease
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Common Variable Immunodeficiency
- Communicable Diseases
- Connective Tissue Diseases
- Coronary Artery Disease

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- Coronary Disease
- Crohn Disease
- Deltaretrovirus Infections
- Dengue
- Dengue Hemorrhagic Fever
- Depressive Disorder
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Ketoacidosis
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- Disorders of Excessive Somnolence
- Drug Eruptions
- Eczema
- Edema
- Endocrine System Diseases
- Endometriosis
- Eosinophilia
- Epstein-Barr Virus Infections
- Erythema Nodosum

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- Esophageal Neoplasms
- Eye Diseases
- Fatty Liver
- Fetal Diseases
- Gender Identity
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Graves Disease
- Graves Ophthalmopathy
- Hashimoto Disease
- Helicobacter Infections
- Hemophilia A
- Hepatitis
- Hepatitis B
- Hepatitis C
- HIV Infections
- Hydatidiform Mole
- Hypersensitivity
- Hypertension
- Hypoparathyroidism
- Hypothyroidism
- IgA Deficiency
- Infant
- Infection
- Inflammation
- Inflammatory Bowel Diseases

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- Iridocyclitis
- Kidney Failure
- Kidney Neoplasms
- Leg Dermatoses
- Leishmaniasis
- Leukemia
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lymphocytosis
- Lymphohistiocytosis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Meniere Disease
- Migraine Disorders
- Migraine with Aura
- Migraine without Aura
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myasthenia Gravis

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- Myocardial Infarction
- Myxedema
- Nasopharyngeal Neoplasms
- Neoplasm Metastasis
- Neoplasms
- Obesity
- Oral Submucous Fibrosis
- Osteoporosis
- Pancreatitis
- Papillomavirus Infections
- Paraproteinemias
- Pemphigus
- Periodontitis
- Polyendocrinopathies
- Polyradiculoneuropathy
- Postpartum Thyroiditis
- Prediabetic State
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prenatal Exposure Delayed Effects
- Proteinuria
- Psoriasis
- Pulmonary Disease
- Pulmonary Fibrosis
- Purpura

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- Recurrence
- Respiratory Syncytial Virus Infections
- Rheumatic Heart Disease
- Rhinitis
- Sarcoidosis
- Schizophrenia
- Scleroderma
- Skin Diseases
- Skin Neoplasms
- Spondylarthropathies
- Spondylitis
- Stomach Neoplasms
- Stroke
- Sunburn
- Thymoma
- Thymus Hyperplasia
- Thymus Neoplasms
- Thyroid Diseases
- Thyroiditis
- Trachoma
- Tuberculosis
- Urinary Bladder Neoplasms
- Urologic Diseases
- Uterine Cervical Neoplasms
- Uveitis
- Uveomeningoencephalitic Syndrome

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- Vasculitis
- Vitiligo
- Wegener Granulomatosis
- Werner syndrome

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