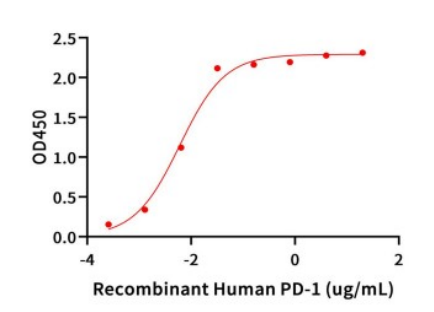
RecomAb™

PDCD1/CTLA4 recombinant monoclonal antibody (Cadonilimab)

Catalog # RAB09731 Size 50 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized PDCD1/CTLA4 recombinant monoclonal antibody (Cat# RAB09731) at 5 ug/mL (100 uL/well) can bind Recombinant Human PD-1 (C-6His). The ED_{50} of Recombinant Human PD-1 (C-6His) is 6.011 ng/mL .

Specification

Product Description	Recombinant human monoclonal antibody raised against human PDCD1/CTLA4.
Host	Human
Theoretical MW (kDa)	75.7, 23.6
Form	Liquid
Preparation Method	Mammalian expression system
Endotoxin Level	< 1 EU/ug as determined by LAL test.
Isotype	Human IgG1
Regulatory Status	For research use only (RUO)
Recommend Usage	ELISA The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 20 mM Histidine, 8% Sucrose, 0.06% Tween80, pH5.0 (0.2 um filtered solution).
Storage Instruction	Store at -20°C. Avoid multiple freeze-thaw cycles.

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Applications

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Gene Info — CTLA4

Entrez GeneID	1493
Protein Accession#	Q15116; P16410
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
Other Designations	OTTHUMP00000163781|cytotoxic T-lymphocyte-associated antigen 4|cytotoxic T-lymphocyte-as sociated serine esterase-4|ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4

Gene Info — PDCD1

Entrez GeneID	5133
Protein Accession#	Q15116; P16410
Gene Name	PDCD1
Gene Alias	CD279, PD1, SLEB2, hPD-1, hPD-l

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Gene Description	programmed cell death 1
Omim ID	152700 600244
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases. [provided by RefSeq
Other Designations	-

Pathway

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

Disease

- Abortion
- Abruptio Placentae
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Addison Disease
- Addison Disease
- Adenocarcinoma
- Adenoma
- Alcoholism

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- Alopecia Areata
- Alveolitis
- Anemia
- Arthritis
- Arthritis
- Asthma
- Atherosclerosis
- Autoimmune Diseases
- Autoimmune Diseases
- Autoimmune polyglandular syndrome
- Behcet Syndrome
- Bipolar Disorder
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchiolitis
- Bronchitis
- Calcinosis
- Calculi
- Carcinoma
- Carcinoma
- Cardiomyopathy
- Cardiovascular Diseases
- Celiac Disease
- Chagas Disease

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- Chlamydia Infections
- Cholangitis
- Choriocarcinoma
- Choriocarcinoma
- Chronic Disease
- Colitis
- Colitis
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Common Variable Immunodeficiency
- Communicable Diseases
- Connective Tissue Diseases
- Coronary Artery Disease
- Coronary Disease
- Crohn Disease
- Crohn Disease
- Deltaretrovirus Infections
- Dengue
- Dengue Hemorrhagic Fever
- Depressive Disorder
- Dermatitis
- Diabetes Complications
- Diabetes Mellitus
- Diabetes Mellitus
- Diabetic Angiopathies

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- Diabetic Ketoacidosis
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Progression
- Disease Susceptibility
- Disease Susceptibility
- Disorders of Excessive Somnolence
- Drug Eruptions
- Eczema
- Edema
- Endocrine System Diseases
- Endometriosis
- Eosinophilia
- Epstein-Barr Virus Infections
- Erythema Nodosum
- Esophageal Neoplasms
- Eye Diseases
- Fatty Liver
- Fetal Diseases
- Gender Identity
- Genetic Predisposition to Disease
- Genetic Predisposition to Disease
- Graft vs Host Disease
- Graves Disease

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- Graves Disease
- Graves Ophthalmopathy
- Hashimoto Disease
- Helicobacter Infections
- Hemophilia A
- Hepatitis
- Hepatitis B
- Hepatitis C
- HIV Infections
- Hydatidiform Mole
- Hydatidiform Mole
- Hypersensitivity
- Hypertension
- Hypoparathyroidism
- Hypothyroidism
- IgA Deficiency
- Infant
- Infection
- Inflammation
- Inflammation
- Inflammatory Bowel Diseases
- Iridocyclitis

- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms

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- Leg Dermatoses
- Leishmaniasis
- Leukemia
- Leukemia
- Liver Cirrhosis
- Liver Cirrhosis
- Liver Diseases
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Erythematosus
- Lupus Nephritis
- Lymphocytosis
- Lymphohistiocytosis
- Lymphoma
- Lymphoproliferative Disorders
- Malignant melanoma
- Melanoma
- Meniere Disease
- Migraine Disorders
- Migraine with Aura
- Migraine without Aura
- Mouth Neoplasms
- Mucocutaneous Lymph Node Syndrome
- Multiple Myeloma
- Multiple Sclerosis

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- Multiple Sclerosis
- Musculoskeletal Diseases
- Myasthenia Gravis
- Myocardial Infarction
- Myocardial Infarction
- Myxedema
- Nasopharyngeal Neoplasms
- Neoplasm Metastasis
- Neoplasms
- Neovascularization
- Obesity
- Oral Submucous Fibrosis
- Osteoporosis
- Pancreatitis
- Papillomavirus Infections
- Paraproteinemias
- Pemphigus
- Periodontitis
- Polyendocrinopathies
- Polyendocrinopathies
- Polyradiculoneuropathy
- Postpartum Thyroiditis
- Prediabetic State
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth

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- Prenatal Exposure Delayed Effects
- Proteinuria
- Psoriasis
- Pulmonary Disease
- Pulmonary Fibrosis
- Purpura
- Recurrence
- Respiratory Syncytial Virus Infections
- Rheumatic Heart Disease
- Rhinitis
- Sarcoidosis
- Schizophrenia
- Scleroderma
- Skin Diseases
- Skin Neoplasms
- Spondylarthropathies
- Spondylitis
- Spondylitis
- Stomach Neoplasms
- Stroke
- Sunburn
- Thymoma
- Thymus Hyperplasia
- Thymus Neoplasms
- Thyroid Diseases
- Thyroiditis

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- Trachoma
- Tuberculosis
- Urinary Bladder Neoplasms
- Urologic Diseases
- Uterine Cervical Neoplasms
- Uterine Cervical Neoplasms
- Uveitis
- Uveomeningoencephalitic Syndrome
- Uveomeningoencephalitic Syndrome
- Vasculitis
- Vasculitis
- Vitiligo
- Wegener Granulomatosis
- Wegener Granulomatosis
- Werner syndrome

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