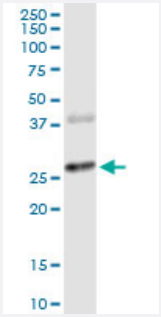
CTLA4 monoclonal antibody (M06), clone 2F1

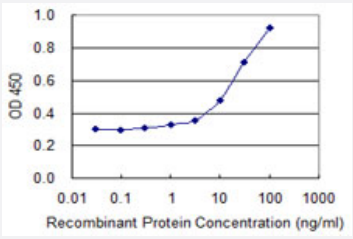
Catalog # H00001493-M06 Size 100 ug

Applications



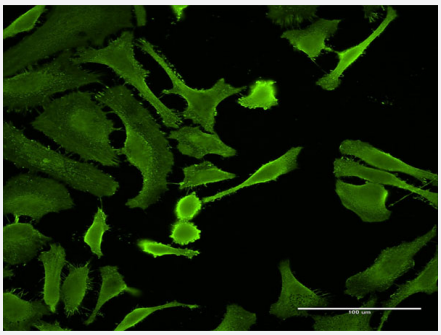
Western Blot (Tissue lysate)

CTLA4 monoclonal antibody (M06), clone 2F1. Western Blot analysis of CTLA4 expression in human pancreas.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CTLA4 is 0.3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CTLA4 on HeLa cell . [antibody concentration 15 ug/ml]

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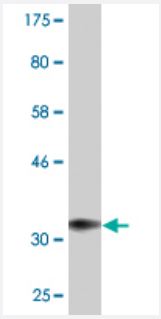

Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CTLA4.
Immunogen	CTLA4 (NP_005205, 36 a.a. ~ 135 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	KAMHVAQPAVVLASSRGIASFVCEYASPGKATEVRVTVLRQADSQVTEVCAATYMMGNELTFLDDSICTGTSSGNQVNLTIQGLRAMDTGLYICKVELMY
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (62); Rat (67)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

  CTLA4 monoclonal antibody (M06), clone 2F1. Western Blot analysis of CTLA4 expression in human pancreas.

  Protocol Download

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- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

  Detection limit for recombinant GST tagged CTLA4 is 0.3 ng/ml as a capture antibody.

  Protocol Download

- ELISA

- Immunofluorescence

  Immunofluorescence of monoclonal antibody to CTLA4 on HeLa cell . [antibody concentration 15 ug/ml]

Gene Info — CTLA4

Entrez GeneID	1493
GeneBank Accession#	NM_005214
Protein Accession#	NP_005205
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

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Publication Reference

- Preclinical imaging of the co-stimulatory molecules CD80 and CD86 with indium-111-labeled belatacept in atherosclerosis.

  Meletta R, Müller Herde A, Dennler P, Fischer E, Schibli R, Krämer SD.

  EJNMMI Research 2016 Dec; 6(1):1.

  Application: ICC, Human, Raji cells

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

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- Atherosclerosis
- Autoimmune Diseases
- Autoimmune polyglandular syndrome
- Behcet Syndrome
- 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

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- Common Variable Immunodeficiency
- Communicable Diseases
- Connective Tissue Diseases
- Coronary Artery Disease
- 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

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- Eosinophilia
- Epstein-Barr Virus Infections
- Erythema Nodosum
- 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

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- IgA Deficiency
- Infant
- Infection
- Inflammation
- Inflammatory Bowel Diseases
- 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

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- Mouth Neoplasms
- Multiple Myeloma
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myasthenia Gravis
- 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

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- 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
- Stomach Neoplasms
- Stroke
- Sunburn
- Thymoma
- Thymus Hyperplasia
- Thymus Neoplasms
- Thyroid Diseases
- Thyroiditis
- Trachoma
- Tuberculosis

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

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