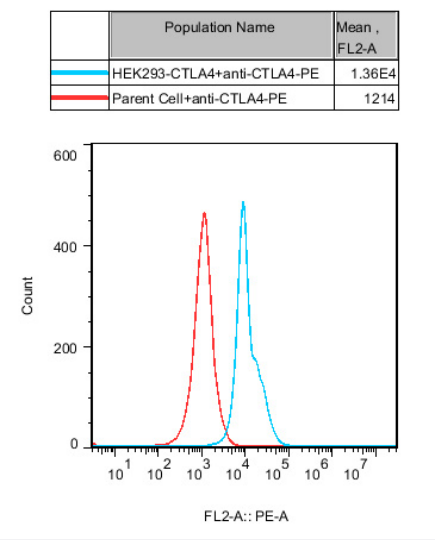
# Human CTLA4 Overexpression HEK293 Cell Line

Catalog # U1246 Size

## Applications




### Flow Cytometry

Recombinant CTLA4 HEK293 stably expressing CTLA4.

## Specification

| | |
|---|---|
| **Product Description** | HEK293 cell line expressing human CTLA4. |
| **Package** | >1x10$^6$ per vial in 1 mL |
| **Transfected Cell Line** | HEK293 |
| **Immunogen** | CTLA4 |
| **Host** | Human |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Recommend Usage** | Flow Cytometry |
| **Growth Properties** | Adherent |

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| | |
|---|---|
| **Selection Marker** | Hygromycin B |
| **Culture Medium** | DMEM + 10%FBS + 100 ug/mL Hygromycin B |
| **Storage Buffer** | 10% DMSO, recombinant albumin (expressed in E. coli), trehalose, methylcellulose, and HEPES. |
| **Storage Instruction** | Store in liquid nitrogen immediately upon receipt.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES OR THERAPEUTIC APPLICATIONS. |

## Applications

- Flow Cytometry

  Recombinant CTLA4 HEK293 stably expressing CTLA4.

## Gene Info — CTLA4

| | |
|---|---|
| **Entrez GeneID** | 1493 |
| **Protein Accession#** | 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 cytoplasmic tail. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. The membrane-bound isoform functions as a homodimer interconnected by a disulfide bond, while the soluble isoform functions as a monomer. Mutations in this gene have been associated with insulin-dependent diabetes mellitus, Graves disease, Hashimoto thyroiditis, celiac disease, systemic lupus erythematosus, thyroid-associated orbitopathy, and other autoimmune diseases. [provided by RefSeq |
| **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 |

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## 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
- Bipolar Disorder
- Brain Ischemia
- Breast cancer

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- 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
- Coronary Disease
- Crohn Disease
- Deltaretrovirus Infections

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- 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
- Esophageal Neoplasms
- Eye Diseases
- Fatty Liver
- Fetal Diseases

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- 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
- Iridocyclitis
- Kidney Failure
- Kidney Neoplasms

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- 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
- Myocardial Infarction
- Myxedema
- Nasopharyngeal Neoplasms
- Neoplasm Metastasis

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- 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
- Recurrence
- Respiratory Syncytial Virus Infections
- Rheumatic Heart Disease
- Rhinitis

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- 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
- Vasculitis
- Vitiligo
- Wegener Granulomatosis
- Werner syndrome

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