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CTLA4 Human, Sf9

Cytotoxic T-Lymphocyte Associated Antigen-4 Human Recombinant, Sf9
CYK0125

Product Overview

Name	CTLA4 Human, Sf9

Description

Cytotoxic T-Lymphocyte Associated Antigen-4 Human Recombinant, Sf9

Accession (Primary)	P16410

Synonyms

Cytotoxic T-Lymphocyte Associated Protein 4, Cytotoxic T-Lymphocyte-Associated Protein 4, Insulin-Dependent Diabetes Mellitus 12, Celiac Disease 3, CTLA-4, CD152, Ligand And Transmembrane Spliced Cytotoxic T Lymphocyte Associated Antigen 4, Cytotoxic T Lymphocyte Associated Antigen 4 Short Spliced Form, Cytotoxic T-Lymphocyte-Associated Serine Esterase-4, Cytotoxic T-Lymphocyte-Associated Antigen 4, CD152 Isoform, CD152 Antigen, CELIAC3, IDDM12, ALPS5, GRD4, GSE, CD, Cytotoxic T-lymphocyte protein 4, CTLA4.

Introduction

CTLA-4 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.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile filtered colorless solution.

Formulation

CTLA4 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 20% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

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Amino acid sequence

ADL KAMHVAQ PAVVLASSRG IASFVCEYAS PGKATEVRVT VLRQADSQVT EVCAATYMMG NELTFLDDSI CTGTSSGNQV NLTIQGLRAM DTGLYICKVE LMYPPPYYLG IGNGTQIYVI DPEPCPDSD H HHHHH .

Biological Activity

Determined by IL-2 ELISA via Jurkat human acute T cell leukemia cells. The ED50 range ≤ 150 ng/ml with Human B7-1/CD80.

Precautions

CTLA4 Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P16410)