

Product Information

MemDX™ Membrane Protein Human CTLA4 (Cytotoxic T-lymphocyte associated protein 4)

Full Length

Cat. No.: **MPC1652K**

This product is for research use only and is not intended for diagnostic use.

This product is a 24.6 kDa Human CTLA4 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CTLA4

Protein Length

Full length

Protein Class

Immunity

Molecular Weight

24.6 kDa

TMD

1

Sequence

MACLGFRHKAQLNLATRTWPCTLLFFLLFIPVFCKAMHVAQPAVVLAASS
RGIASFVCEYASPGKATEVRVTVLRQADSQVTEVCAATYMMGNELTFLDD
SICTGTSSGNQVNLTIQGLRAMDTGLYICKVELMYPPPYLIGINGTQIY
VIDPEPCPDSDFLLWILAAVSSGLFFYSFLLTAVSLSKMLKKRSPLTTGV
YVKMPTEPECEKQFQPYFIPIN

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CTLA4

Full Name

Cytotoxic T-lymphocyte associated protein 4

Introduction

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.

Alternative Names

CTLA4; CD; GSE; GRD4; ALPS5; CD152; CTLA-4; IDDM12; CELIAC3; cytotoxic T-lymphocyte protein 4; celiac disease 3; cytotoxic T lymphocyte associated antigen 4 short spliced form; cytotoxic T-lymphocyte-associated serine esterase-4; insulin-dependent diabetes mellitus 12; ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4; Cytotoxic T-lymphocyte associated protein 4

Gene ID

[1493](#)

UniProt ID

[P16410](#)