

Recombinant Human CTLA4 Protein, ECD, Tag Free, Biotinylated

Cat. No. CTLA4-066H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human CTLA4 (CD152) protein was developed from HEK293.

Species Human

Source HEK293

ProteinLength ECD

Description

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.

Conjugation/Label Biotin

Form Lyophilised

Endotoxin Endotoxin level was found to be less than 0.1 ng/μg (1 EU/μg).

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Applications	ELISA, WB
Notes	FOR RESEARCH USE ONLY (RUO).
Storage	The lyophilized protein is stable for at least 1 year from date of receipt at -20 centigrade. Upon reconstitution, this cytokine can be stored in working aliquots at 2 to 8 centigrade for one month, or at -20 centigrade for six months, with a carrier protein without detectable loss
Storage Buffer	Lyophilised from 0.2 µm filtered PBS pH 7.4.
Reconstitution	Upon receipt a quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CTLA4 cytotoxic T-lymphocyte-associated protein 4 [Homo sapiens (human)]
Official Symbol	CTLA4
Synonyms	CTLA4; cytotoxic T-lymphocyte-associated protein 4; celiac disease 3, CELIAC3; cytotoxic T-lymphocyte protein 4; CD; CD28; CD152; GSE; ICOS; CD152 isoform; celiac disease 3; cytotoxic T-lymphocyte antigen 4; cytotoxic T-lymphocyte-associated antigen 4; cytotoxic T-lymphocyte-associated serine esterase-4; cytotoxic T lymphocyte associated antigen 4 short spliced form; ligand and transmembrane spliced cytotoxic T lymphocyte associated antigen 4; GRD4; CTLA-4; IDDM12; CELIAC3;

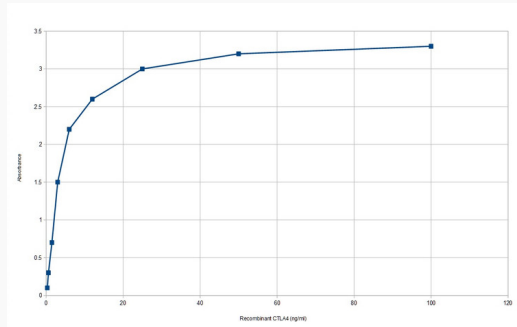
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Gene ID	1493
mRNA Refseq	NM_001037631
Protein Refseq	NP_001032720
MIM	123890
UniProt ID	P16410

96-well maxisorp plates were coated at 100 ng/well recombinant Human B7-1 Then, the protein standard was added, and plates were incubated for 2 hrs at 37 centigrade. Absorbance was measured at 450-615 nm using an automated plate reader.



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