

Recombinant Cynomolgus monkey CTLA4 Protein, Fc-tagged

Cat. No. CTLA4-648C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey CTLA4 protein with Fc tag was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	223
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.
Form	Lyophilized
Molecular Mass	40 kDa
AA Sequence	MACLGFQRHKARLNLATRTRPYTLLFSLFIPVFSKAMHVAQPAVVLANSRGIASFVC EYASPGKATEVRVTVLRQADSQVTEVCAATYMMGNELTFLDDSICTGTSSGNQVNL

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TIQGLRAMDTGLYICKVELMYPPPYMGIGNGTQIYVIDPEPCPDSDFLWILAAVSS
GLFFYSFLLTAVSLSKMLKKRSPLTTGVYVKMPPTPEPECEKQFQPYFIPIN

Purity

> 98%

Applications

WB; ELISA; FACS; FC

Stability

This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage

At -20 centigrade.

Concentration

1 mg/mL

Storage Buffer

PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution

Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name

CTLA4 cytotoxic T-lymphocyte-associated protein 4 [*Macaca mulatta* (Rhesus monkey)]

Official Symbol

CTLA4

Synonyms

CTLA4; cytotoxic T-lymphocyte-associated protein 4; cytotoxic T-lymphocyte protein 4; CD152 protein; cytotoxic T-lymphocyte protein 4 isoform CTLA4-TM; CTLA-4;

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Gene ID	705673
mRNA Refseq	NM_001044739
Protein Refseq	NP_001038204
UniProt ID	A0A2K6E1V4

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