

Active Recombinant Human CTLA4 protein, mFc-Avi-tagged, Biotinylated

Cat. No. CTLA4-256H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CTLA4 protein(Ala 37 - Phe 162), fused with mFc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	37-162 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human B7-1, Fc Tag (HPLC-verified) at 5 µg/mL (100 µL/well) can bind Biotinylated Humane CTLA-4, Mouse IgG2a Fc,Avitag with a linear range of 0.3-5 ng/mL.Immobilized Human B7-2, Fc Tag at 5 µg/mL (100 µL/well) can bind Biotinylated Humane CTLA-4, Mouse IgG2a Fc,Avitag with a linear range of 0.3-2 ng/mL.Immobilized Ipilimumab at 5 µg/mL (100 µL/well) can bind Biotinylated Humane CTLA-4, Mouse IgG2a Fc,Avitag with a linear range of 0.2-2 ng/mL.
Molecular Mass	This protein carries a mouse IgG2a Fc tag at the C-terminus, followed by an Avi tag (Avitag™).The protein has a calculated MW of 42.1 kDa. The protein migrates as 50-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Proteinlength	Ala37-Phe162
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CTLA4 cytotoxic T-lymphocyte-associated protein 4 [Homo sapiens]
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;
Gene ID	1493

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mRNA Refseq	NM_001037631
Protein Refseq	NP_001032720
UniProt ID	P16410

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