

CTLA-4 protein

Human CTLA-4 Protein, mFc-His Tag

CATALOG #
AAA268935

HOST
HEK293 cells

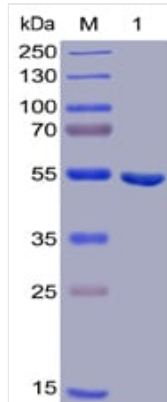
PRODUCT SYNONYMS

CTLA-4; Human CTLA-4 Protein; mFc-His Tag; CTLA4; CD152; CTLA-4 protein

PRODUCT SPECIFICATIONS

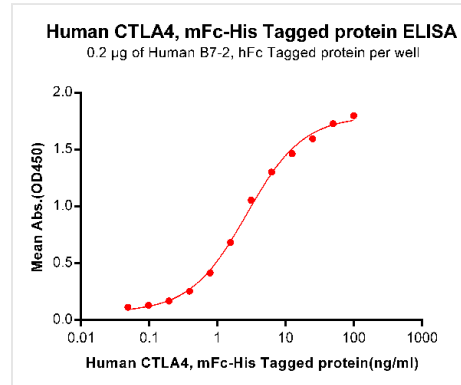
Host	HEK293 cells
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5 %-24 % trehalose is added as protectants before lyophilization.
Sequence Positions	CTLA-4 (Gln36-Ser161)+mFc (Pro99-Lys330)
Species	Human
Vector and Tag	C-Mouse Fc and 6xHis tag
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)

IMAGES



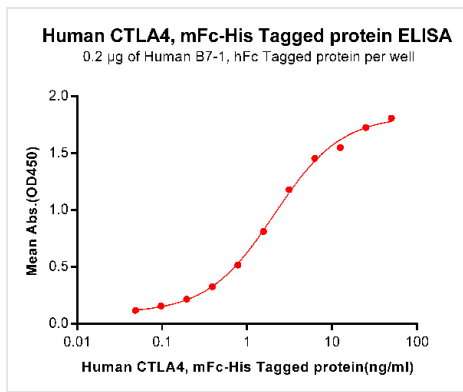
ELISA

Figure 3. ELISA plate pre-coated by 2ug/ml (100ul/well) Human B7-2, hFc tagged protein can bind Human CTLA4, mFc-His tagged protein (PME100017) in a linear range of 0.048-2.694ng/ml.



ELISA

Figure 2. ELISA plate pre-coated by 2ug/ml (100ul/well) Human B7-1, hFc tagged protein (PME100473) can bind Human CTLA4, mFc-His tagged protein (PME100017) in a linear range of 0.048-2.094ng/ml.



SDS-PAGE

Figure 1. Human CTLA-4 Protein, mFc-His Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for CTLA-4 protein

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.

NCBI AND UNIPROT INFORMATION

Molecular Weight

The protein has a predicted molecular mass of 54kDa after removal of the signal peptide.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-protein/ctla-4/268935>