

CTLA-4 recombinant protein

Recombinant human CTLA-4 protein with C-terminal human Fc tag

CATALOG #
AAA78604

HOST
HEK293

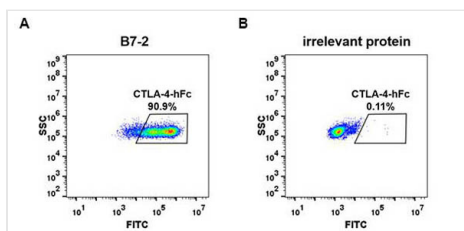
PRODUCT SYNONYMS

CTLA-4; Recombinant human CTLA-4 protein with C-terminal human Fc tag; CTLA4; CD152; CTLA-4 recombinant protein

PRODUCT SPECIFICATIONS

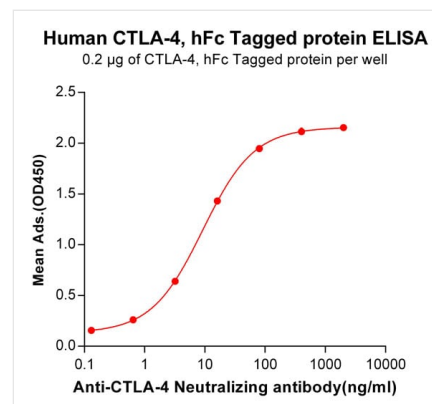
Host	HEK293
Purity/Purification	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5 %-8% trehalose is added as protectants before lyophilization.
Preparation and Storage	Store at -80 degree C for 12 months (Avoid repeated freezing and thawing)

IMAGES



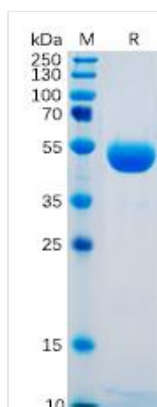
Application Data

Figure 3. HEK293 cell line transfected with irrelevant protein (B) and human B7-2 (A) were surface stained with Human CTLA4, hFc tagged protein 1ug/ml followed by Alexa 488-conjugated anti-human IgG secondary antibody.



ELISA

Figure 2. ELISA plate pre-coated by 2 ug/ml (100 ul/well) Human CTLA-4, hFc tagged protein can bind Anti-CTLA4 Neutralizing antibody in a linear range of 0.64-80.0ng/ml.



SDS-PAGE

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

ADDITIONAL INFORMATION

Related Product Information for CTLA-4 recombinant protein	The protein has a predicted molecular mass of 39.6 kDa after removal of the signal peptide. The apparent molecular mass of CTLA4-hFC is approximately 40-55 kDa due to glycosylation. 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.
Product Categories/Family for CTLA-4 recombinant protein	Recombinant Proteins

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/ctla-4-recombinant-protein-hek293/78604>