



Datasheet for ABIN7274437
CTLA4 Protein (His-Avi Tag,Biotin)



[Go to Product page](#)

5 Images

Overview

Quantity:	100 µg
Target:	CTLA4
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CTLA4 protein is labelled with His-Avi Tag,Biotin.

Product Details

Sequence:	Lys36-Asp161
Purity:	> 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Biotinylated Human CTLA-4, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-CTLA-4 Antibody, hFc Tag with the EC50 of 15.4ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	CTLA4
Alternative Name:	CTLA-4 (CTLA4 Products)
Background:	CTLA4, CD152, ICOS, CELIAC3, GRD4, GSE, ALPS5, IDDM12,CTLA-4 (cytotoxic T-lymphocyte-associated protein 4), also known as CD152, is a protein receptor that, functioning as an

Target Details

immune checkpoint, downregulates immune responses. CTLA4 is constitutively expressed in regulatory T cells but only upregulated in conventional T cells after activation - a phenomenon which is particularly notable in cancers. It acts as an "off" switch when bound to CD80 or CD86 on the surface of antigen-presenting cells.

Molecular Weight: 16.3 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.

UniProt: [P16410](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.

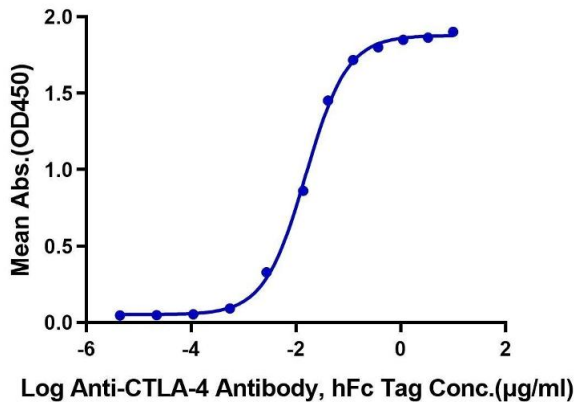
Storage: 4 °C, -80 °C

Storage Comment: Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

Biotinylated Human CTLA-4, His Tag ELISA

0.05µg Biotinylated Human CTLA-4, His Tag Per Well

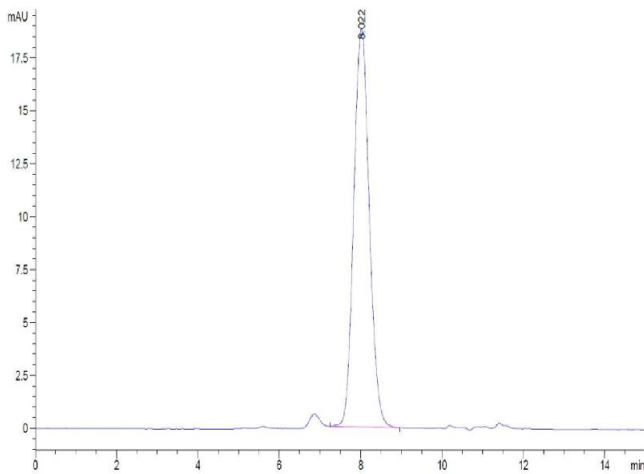


ELISA

Image 1. Immobilized Biotinylated Human CTLA-4, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-CTLA-4 Antibody, hFc Tag with the EC50 of 15.4 ng/mL determined by ELISA.

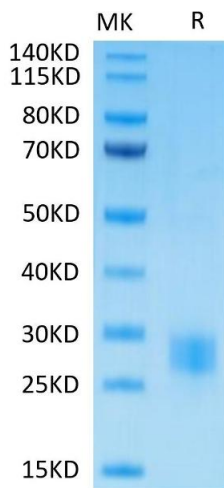
Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human CTLA4 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human CTLA4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 %.



Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7274437.