Recombinant Human CTLA-4/CD152 Protein

Catalog No.: RP01044

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Sequence Information

Species
Human

Gene ID
1493

Swiss Prot
P16410

Tags
C-His

Synonyms
CTLA4,ALPS5,CD,CD152,CELIAC3, CTLA-4,GRD4,GSE,IDDM12

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.

Calculated MW
14.36 kDa

Observed MW
Approximately 25 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

Basic Information

Description
Recombinant Human CTLA-4/CD152 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala37-Phe162) of human CTLA-4 (Accession #NP_005205.2) fused with a 6×His tag at the C-terminus.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Ipilimumab at 1 μg/mL (100 μL/well) can bind Recombinant Human CTLA-4 with a linear range of 6-18 ng/mL.
2.Measured by its binding ability in a functional ELISA.Immobilized PE anti-human CD152 (CTLA-4) Antibody at 1μg/mL (25 μL/well) can bind Human CTLA-4 with a linear range of 0.46-2.05 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

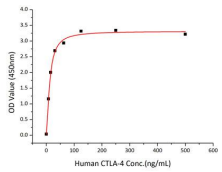
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

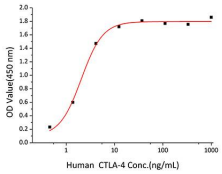
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Please visit http://abclonal.com for a complete listing of recommended products.

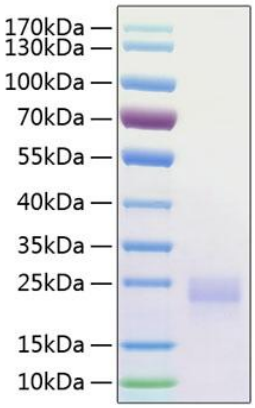
Validation Data



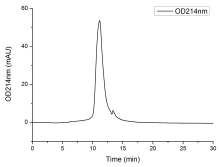
Immobilized Ipilimumab at 1 μg/mL (100 μL/well) can bind Recombinant Human CTLA-4 with a linear range of 6-18 ng/mL.



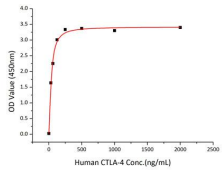
Immobilized PE anti-human CD152 (CTLA-4) Antibody at 1μg/mL (25 μL/well) can bind Human CTLA-4 with a linear range of 0.46-2.05 ng/mL.



Recombinant Human CTLA-4/CD152 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human CTLA-4 Protein (Cat.RP01044) was greater than 90% as determined by SEC-HPLC.



Immobilized Recombinant Mouse CD86 at 2 μg/mL (100 μL/well) can bind Recombinant Human CTLA-4 with a linear range of 15-50 ng/mL.