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Recombinant Human CTLA-4/CD152 Protein

Catalog No.: RP01044 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 1493 P16410

Tags

C-His

Synonyms

CTLA4;ALPS5;CD;CD152;CELIAC3;CTLA-4;GRD4;GSE;IDDM12

Product Information

Source

Purification

HEK293 cells

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

Calculated MW Observed MW

14.36 kDa 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.

Contact

6	400-999-6126
\simeq	cn.market@abclonal.com.cn

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.

Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized lpilimumab at 1 $\mu g/mL$ (100 $\mu L/well)$ 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 antihuman CD152 (CTLA-4) Antibody at $1\mu g/mL$ (25 $\mu L/well$) can bind Human CTLA-4 with a linear range of 0.46-2.05 ng/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

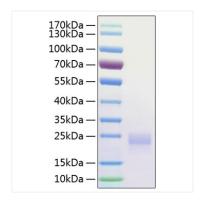
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

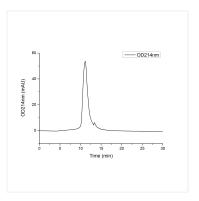
Operational Notes

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

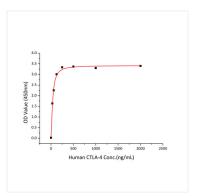
Validation Data



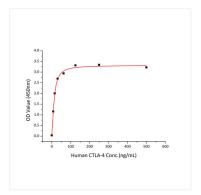
Recombinant Human CTLA-4/CD152 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



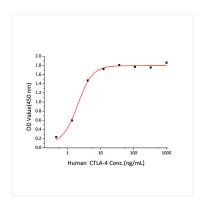
The purity of Human CTLA-4 Protein (Cat.RP01044) was greater than 90% as determined by SEC-HPLC.



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



Immobilized Ipilimumab at 1 μ g/mL (100 μ L/well) can bind Recombinant Human CTLA-4 with a linear range of 6-18 η mL.



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