

Recombinant Cynomolgus CTLA-4/CD152 Protein

Catalog No.: RP02636

Sequence Information

Species **Gene ID**
Cynomolgus 102115124

Swiss Prot **Tags**
G7PL88-1 C-His

Synonyms

CTLA4; CD152; ICOS; CELIAC3;
GRD4; GSE; ALPS5; IDDM12

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
Tris-Bis PAGE; ≥
95 % as
determined by
HPLC.

Calculated MW **Observed MW**
14.4 kDa 25-30 kDa

Endotoxin

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

Formulation

Reconstitution

Centrifuge the tube 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 stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

CTLA-4 (cytotoxic T-lymphocyte-associated protein 4), also known as CD152, is a protein receptor that, functioning as an 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.

Basic Information

Description

Recombinant Cynomolgus CTLA-4/CD152 Protein is expressed from Expi293 with His tag at the C-terminal.; It contains Ala37-Ser160.

Activity

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°C

Operational Notes

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

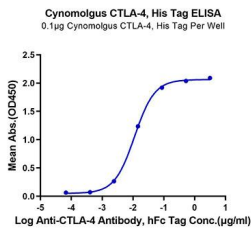
Contact

☎ | 400-999-6126

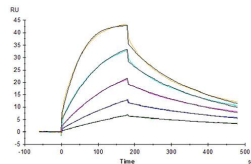
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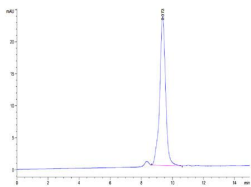
Validation Data



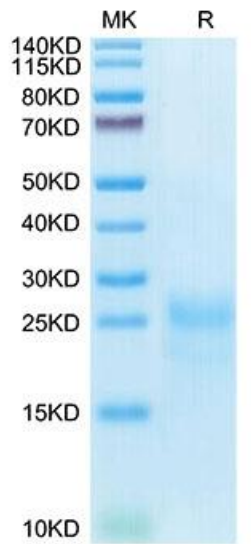
Immobilized Cynomolgus CTLA-4, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-CTLA-4 Antibody, hFc Tag with the EC₅₀ of 11.2ng/ml determined by ELISA.



Cynomolgus B7-1, His Tag immobilized on CM5 Chip can bind Cynomolgus CTLA-4, His Tag with an affinity constant of 9.90 nM as determined in SPR assay (Biacore T200).



The purity of Cynomolgus CTLA-4 is greater than 95% as determined by SEC-HPLC.



Recombinant Cynomolgus CTLA-4/CD152 Protein was determined by Tris-Bis PAGE under reducing conditions.