

Recombinant Cynomolgus B7-2/CD86 Protein

Catalog No.: RP02634

Sequence Information

Species Gene ID

Cynomolgus

Swiss Prot Tags

G7NXR4 C-His

Synonyms

CD86 molecule; CD86; B70; B7-2 antigen; B72; B7-2; BU63; FUN-1; LAB72; MGC34413; CD28LG2

Product Information

Source Purification

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

Calculated MW Observed MW

26.4 kDa 50-70 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

B7-1 and B7-2 are homologous costimulatory ligands expressed on the surface of antigen presenting cells (APCs). Binding of these molecules to the T cell costimulatory receptors, CD28 and CTLA-4, is essential for the activation and regulation of T cell immunity. B7-1 and B7-2 do not form hetero-oligomers, underscoring the biological relevance of dimeric and monomeric state of B7-1 and B7-2, respectively.

Basic Information

Description

Recombinant Cynomolgus B7-2/CD86 Protein is expressed from Expi293 with His tag at the C-terminal.; It contains Tyr26-His240.

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.

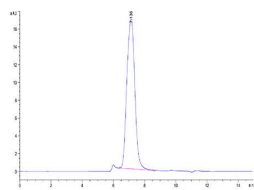
Contact

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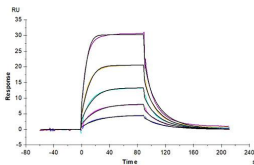
✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

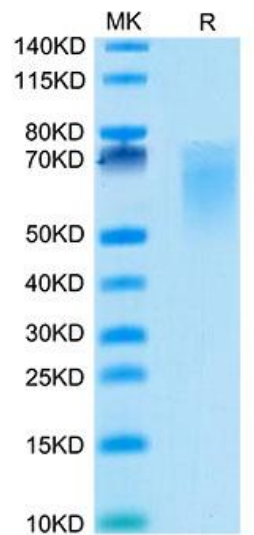
Validation Data



The purity of Cynomolgus B7-2 is greater than 95% as determined by SEC-HPLC.



Cynomolgus B7-2, His Tag immobilized on CM5 Chip can bind Cynomolgus CTLA-4, His Tag with an affinity constant of 0.102 μ M as determined in SPR assay (Biacore T200).



Recombinant Cynomolgus B7-2/CD86 Protein was determined by Tris-Bis PAGE under reducing conditions.