

Catalog No.: RP02634 **Recombinant**

Species	Gene ID	Swiss Prot
Cynomolgus		G7NXR4

C-His

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

Source HEK293 cells	Purification ≥ 95 % as determined by Tris- Bis PAGE; ≥ 95 % as determined by HPLC.
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26.4 kDa 50-70 kDa

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

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.

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

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.

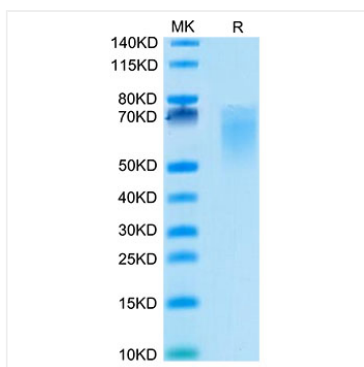
Recombinant Cynomolgus B7-2/CD86 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Tyr26-His240.

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

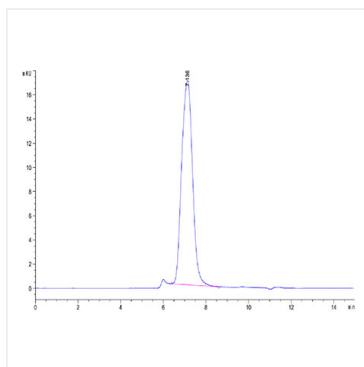
Avoid repeated freeze/thaw cycles.

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

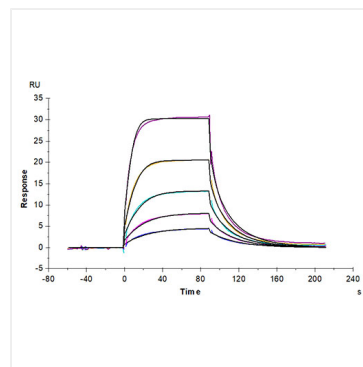
Validation Data



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



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).