Recombinant Cynomolgus B7-H2/ICOSLG/CD275 Protein

Catalog No.: RP02644

www.abclonal.com

Sequence Information

Species	Gene ID
Cynomolgus	102132485
Swiss Prot	**Tags**
XP_005548617.1	C-His

Synonyms
CD275; B7H2; B7-H2; B7RP-1; GL50; ICOSL; ICOS-L; ICOSLG; B7RP1; LICOS; ICOS ligand; B7-H2B7-related protein 1; B7RP-1; B7RP1B7-like protein Gl50

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.
Calculated MW	**Observed MW**
27.7 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 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

B7-H2, also known as B7-related protein (B7RP1), ICOS Ligand, and CD275, is an approximately 60 kDa transmembrane glycoprotein in the B7 family of immune regulatory molecules. B7-H2 is a ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells.

Basic Information

Description
Recombinant CynomolgusB7-H2/ICOSLG/CD275 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Asp19-Thr256) of Cynomolgus B7-H2 fused with His tag at the C-terminus.

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℃

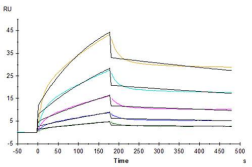
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

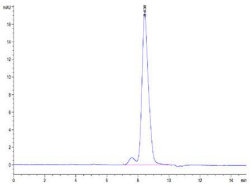
400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

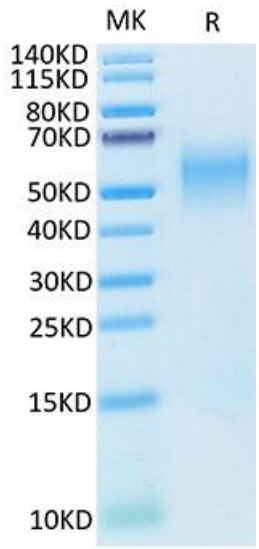
Validation Data



Human ICOS, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus B7-H2, His Tag with an affinity constant of 5.42 nM as determined in SPR assay (Biacore T200).



The purity of Cynomolgus B7-H2 is greater than 95% as determined by SEC-HPLC.



Recombinant Cynomolgus B7-H2/ICOSLG/CD275 Protein was determined by Tris-Bis PAGE under reducing conditions.