antibodies -online.com





ICOSLG Protein (His-Avi Tag, Biotin)





Go to Product page

Overview

| Quantity: | 100 μg |
|-------------------------------|---|
| Target: | ICOSLG |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This ICOSLG protein is labelled with His-Avi Tag, Biotin. |

Product Details

| Sequence: | Asp19-Ser258 |
|------------------------------|--|
| Purity: | > 95% as determined by Tris-Bis PAGE,> 95% as determined by HPLC |
| Sterility: | 0.22 μm filtered |
| Endotoxin Level: | Less than 1EU per μg by the LAL method. |
| Biological Activity Comment: | Immobilized Human ICOS (C136S,C137S) , His Tag at 1µg/ml (100µl/Well) on the plate. Dose |
| | response curve for Biotinylated Human B7-H2, His Tag with the EC50 of 0.24µg/ml determined |
| | by ELISA. See testing image for detail. |

Target Details

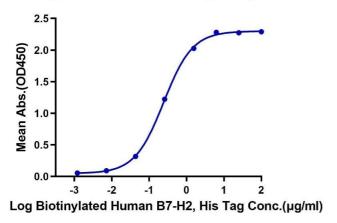
| Target: | ICOSLG |
|-------------------|---|
| Alternative Name: | B7-H2 (ICOSLG Products) |
| Background: | CD275, B7H2, B7-H2, B7RP-1, GL50, ICOSL, ICOS-L, ICOSLG, B7RP1, LICOS, ICOS ligand, B7- |
| | H2B7-related protein 1, B7RP-1, B7RP1B7-like protein Gl50,B7-H2, also known as B7-related |

Target Details

| | 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. |
|---------------------|--|
| Molecular Weight: | 29.5 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result. |
| UniProt: | 075144 |
| Pathways: | Production of Molecular Mediator of Immune Response, Activated T Cell Proliferation |
| Application Details | |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Lyophilized |
| Reconstitution: | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization. |
| Storage: | 4 °C,-80 °C |
| Storage Comment: | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |
| Expiry Date: | 12 months |

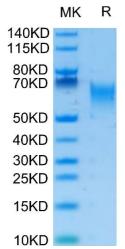
Biotinylated Human B7-H2, His Tag ELISA

0.1µg Human ICOS (C136S,C137S), His Tag Per Well



ELISA

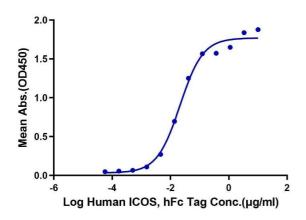
Image 1. Immobilized Human ICOS (C136S,C137S) , His Tag at 1 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Biotinylated Human B7-H2, His Tag with the EC50 of 0.24 μ g/mL determined by ELISA.



SDS-PAGE

Image 2. Biotinylated Human B7-H2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Biotinylated Human B7-H2, HisTag ELISA 0.05µg Biotinylated Human B7-H2, His Tag Per Well



ELISA

Image 3. Immobilized Biotinylated Human B7-H2, His Tag at 0.5 μ g/mL (100 μ L/Well) on the plate. Dose response curve for Human ICOS, hFc Tag with the EC50 of 21.1 ng/mL determined by ELISA.

Please check the product details page for more images. Overall 4 images are available for ABIN7273968.