

RP00752

Leader in Biomolecular Solutions for Life Science



Recombinant Mouse B7-H2/ICOS Ligand/CD275 Protein

Catalog No.: RP00752

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Mouse	50723	Q9JHJ8

Tags

C-6×His

Synonyms

ICOSLG;B7-H2;B7H2;B7RP-1;B7RP1;CD275;GL50;ICOS-L;ICOSL;LICOS;ICOS ligand;ICOSLG

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4. Contact us for customized product form or formulation.

Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

Mouse ICOS ligand(B7-H2) is an approximately transmembrane glycoprotein in the B7 family of immunoregulatory molecules. B7-H2 is expressed on antigen presenting cells such as B cells, macrophages, monocytes, and dendritic cells. It binds to ICOS on activated T cells, leading to both positive and negative effects on immune responses including its own down-regulation. The B7-H2 interaction with ICOS is costimulatory for T cell proliferation as well as the development of B cells, plasma cells, follicular helper T cells and germinal centers. B7-H2 contributes to the development of allergic asthma by enhancing Th2 biased immune responses, limiting Th17 responses, and promoting eosinophilic infiltration into the lung. Its activation of ICOS on Treg limits pulmonary inflammation and airway hyperresponsiveness, promotes the development of inhalational tolerance, and impairs antitumor immunity. In the thyroid, B7-H2 is up-regulated on thyrocytes during inflammation and promotes their proliferation and production of thyroid hormones.

Basic Information

Description

Recombinant Mouse B7-H2/ICOS Ligand/CD275 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Glu47-Lys279) of mouse B7-H2/ICOS Ligand/CD275 (Accession #Q9JHJ8) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

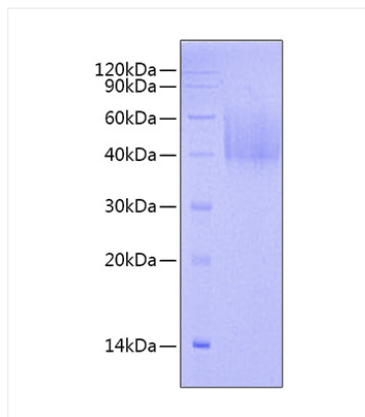
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant Mouse B7-H2/ICOS
Ligand/CD275 Protein was determined by
SDS-PAGE under reducing conditions with
Coomassie Blue.