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32-8894: Recombinant Mouse ICOS Ligand/B7-H2/CD275 (C-6His)

Gene : Icoslg
Gene ID : 50723
Uniprot ID : Q9JHJ8

Description

Source: Human Cells.
MW :27.1kD.
Recombinant Mouse ICOS Ligand is produced by our Mammalian expression system and the target gene encoding Glu47-Lys279 is expressed fused with a 6His tag at the C-terminus. Mouse ICOS ligand(B7-H2) is an approximately transmembrane glycoprotein in the B7 family of immune regulatory 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 thryoid hormones.

Product Info

Amount :	10 µg / 50 µg
Content :	Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition :	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid :	ETEVGAMVGSNVVLSCIDPHRRHFNLSGLYVYWQIENPEVSVTYYLPYKSPGINVDSSYKNRGHLSLDSMKQG NFSLYLKNVTPQDTQEFTCRVFMNTATELVKILEEVVRLRVAANFSTPVISTSDSSNPGQERTYTCMSKNGYPEP NLYWINTTDNSLIDTALQNNTVYLNKLGLYDVISTLRLPWTSRGDVLCCVENVALHQNITSISQAESFTGNNTKN PQETHNNELKHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.