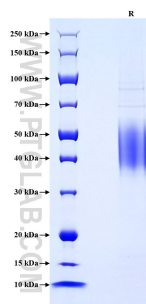


Recombinant Mouse ICOSLG/B7-H2/CD275 protein (His Tag)

Catalog Number: Eg0923

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse ICOSLG protein Glu47-Lys279 (Accession# Q9JHJ8-1) with a His tag at the C-terminus.</p> <p>GeneID: 50723</p> <p>Accession: Q9JHJ8-1</p> <p>Predicted Molecular Mass: 27.4 kDa</p> <p>SDS-PAGE: 37-60 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>ICOSLG, also known as B7-H2, CD275 or GL50, is a type I transmembrane glycoprotein belonging to the B7 ligand family. B7-H2/ICOSLG is extensively expressed on professional antigen-presenting cells including B cells, macrophages, and dendritic cells, as well as non-lymphoid cells including mesenchymal stem cells, endothelial cells, fibroblasts, and tumor cells. It is a specific ligand for the T-cell-specific cell surface receptor ICOS and acts as a co-stimulatory molecule. The interaction of B7-H2/ICOSLG and ICOS plays important roles in the activation, proliferation, differentiation, and cytokine production of T cells as well as in the antibody secretion from B cells during secondary immune responses.</p>		
References	<ol style="list-style-type: none">1. S Wang, et al. (2000) Blood. 96(8):2808-13.2. S K Yoshinaga, et al. (2000) Int Immunol. 12(10):1439-47.3. Shuang Shen, et al. (2011) Hybridoma (Larchmt). 30(4):361-8.4. Lucie Roussel, et al. (2021) Curr Opin Immunol. 72:21-26.5. Marius Külp, et al. (2022) iScience. 25(7):104613.		
Synonyms	B7-H2, CD275, Icosl, B7 H2, GL50		

Selected Validation Data



Purity of Recombinant Mouse ICOSLG was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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