

## 37-1342: Mouse ICOS Ligand / B7-H2 / ICOSLG Recombinant Protein (His & Fc Tag)(Discontinued)

**Reactivity :** Mouse

**Alternative Name :** B7-H2 Protein, Mouse; B7h Protein, Mouse; B7RP-1 Protein, Mouse; GL50 Protein, Mouse; GL50 Protein, Mouse; GL50-B Protein, Mouse; ICOS-L Protein, Mouse; Icoslg Protein, Mouse; LICOS Protein, Mouse

### Description

#### Source : HEK293 Cells

Inducible co-stimulator ligand (ICOSL), also known as B7-H2, is a member of the B7 family of co-stimulatory molecules related to B7-1 and B7-2. It is a transmembrane glycoprotein with extracellular IgV and IgC domains, and binds to ICOS on activated T cells, thus delivers a positive costimulatory signal for optimal T cell function. The structural features of ICOSL are crucial for its costimulatory function. Present study shows that ICOSL displays a marked oligomerization potential, resembling more like B7-1 than B7-2. B7-H2-dependent signaling may play an active role in a proliferative response rather than in cytokine and chemokine production. The CD28/B7 and ICOS/B7-H2 pathways are both critical for costimulating T cell immune responses. Deficiency in either pathway results in defective T cell activation, cytokine production and germinal center formation. Cancer Immunotherapy Co-stimulatory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: FCM Antibodies Immune Checkpoint Detection: WB Antibodies Immune Checkpoint Targets Immunotherapy Targeted Therapy

### Product Info

**Amount :** H2 / ICOSLG Recombinant Protein (His & Fc Tag)(Discontinued) / 200 µg

**Purification :** > 95 % as determined by SDS-PAGE

**Content :** Formulation Lyophilized from sterile PBS, pH 7.4  
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

**Storage condition :** Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Amino Acid :** Met1-Lys279

### Application Note

Measured by its binding ability in a functional ELISA. Immobilized human ICOS at 1 µg/ml (100 µL/well) can bind biotinylated mouse B7-H2 Fc chimera with a linear range of 0.125-1.0 µg/ml .

Endotoxin :< 1.0 EU per µg of the protein as determined by the LAL method

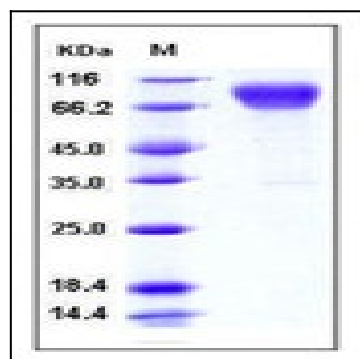


Fig 1: Mouse ICOS Ligand / B7-H2 / ICOSLG Recombinant Protein (His & Fc Tag)