Icosl
Recombinant Mouse B7-H2/CD275:Fc Chimera Non-Lytic

Catalog No.	CRM041	**Quantity:**	100 µg

Alternate Names: B7-H2, B7RP-1, B7h, GI50, GL50, GL50-B, ICOS-Lg, LICOS, Ly115l, Icosl

Description: Mouse B7-H2, also called CD275, B7RP-1, B7h, LICOS and GL50, is a member of the growing B7 family of immune costimulatory proteins. CD275 has been identified as the ligand for ICOS, a member of the CD28 family of co-stimulatory receptors. Mouse CD275 is expressed on resting B cells and at low levels on monocytes. The CD275/ ICOS interaction appears to play roles in T cell dependent B cell activation and Th differentiation.

The extracellular domain of mouse CD275 [B7-H2] (aa 48-279) is fused to the N-terminus of the Fc region of mouse IgG2a.

Acts as a long lasting fusion protein that only binds to the receptor. Mutations to the complement (C1q) and FcγR I binding sites of the IgGs Fc fragment render the fusion proteins incapable of antibody directed cytotoxicity (ADCC) and complement directed cytotoxicity (CDC).

Gene ID: 50723

Protein Accession No: NP_056605.1

Source: CHO cells

Formulation: Lyophilized from a 0.2 µm filtered solution containing PBS.

Purity: ≥98% (SDS-PAGE)

Endotoxin Level: <0.06 EU/µg purified protein as determined by LAL test (Lonza).

Biological Activity: Measured by its binding ability in a functional ELISA. Immobilized human ICOS at 1 µg/ml (100 µl/well) can bind biotinylated Recombinant Mouse B7-H2:Fc non-lytic with a linear range of 0.1-1.0 µg/ml. Optimal dilutions should be determined by each laboratory for each application.

Reconstitution: Reconstitute at 100 µg/ml in sterile PBS.

Storage & Stability: Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 1 year after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. Stable for up to 3 month at -20°C. **Avoid repeated freeze-thaw cycles.**

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