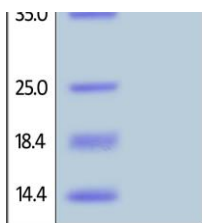


Human CellExp™ ICOSLG /B7-H2 /CD275, Fc Tag, Human Recombinant

| | |
|-----------------------------|--|
| CATALOG #: | P1384-10 P1384-50 |
| AMOUNT: | 10 µg 50 µg |
| ALTERNATE NAMES: | ICOSLG, B7-H2, B7H2, B7RP-1, B7RP1, CD275, GL50, ICOS-L, ICOSL, LICOS, ICOS ligand |
| MOL. WT. | This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 53.1 kDa. The protein migrates as 66-90 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation. |
| SOURCE: | HEK 293 cells |
| PURITY: | >95% as determined by SDS-PAGE. |
| ENDOTOXIN: | Less than 1.0 EU per µg by the LAL method. |
| FORM: | Lyophilized powder |
| FORMULATION: | Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization. |
| RECONSTITUTION: | Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 100 µg/ml. Do not vortex. It is recommended to store at -20°C. |
| SPECIFIC ACTIVITY: | Immobilized Human ICOS (C136S, C137S) at 5 µg/mL (100 µL/well) can bind Human B7-H2, Fc Tag with a linear range of 0.3-5 ng/mL |
| STORAGE CONDITIONS: | Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles. |
| DESCRIPTION: | ICOS ligand (ICOSLG) is also known as B7 homolog 2 (B7-H2), B7-related protein 1 (B7RP-1) and CD antigen CD275, which belongs to the immunoglobulin superfamily and BTN/MOG family. ICOSLG contains one Ig-like C2-type (immunoglobulin-like) domain and one Ig-like V-type (immunoglobulin-like) domain. Isoform 1 is widely expressed, while isoform 2 is detected only in lymph nodes, leukocytes and spleen. B7-H2 is ligand for the T-cell-specific cell surface receptor ICOS. B7-H2 acts as a costimulatory signal for T-cell proliferation and cytokine secretion and induces also B-cell proliferation and differentiation into plasma cells. B7-H2 could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function. |
| AMINO ACID SEQUENCE: | AA Asp 19 - Ser 258 |

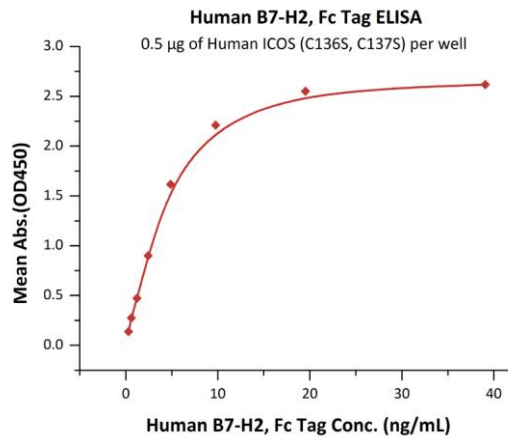


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Human B7-H2, Fc Tag on SDS-PAGE under reducing (R) condition.





Immobilized Human ICOS (C136S, C137S) at 5 µg/mL (100 µL/well) can bind Human B7-H2, Fc Tag with a linear range of 0.3-5 ng/mL

RELATED PRODUCTS:

ICOS ligand (Mouse) ELISA Kit (K4247)

ICOSLG /B7-H2 /CD275, mouse recombinant (P1106)

Human CellExp™ ICOSLG /B7-H2 /CD275, human recombinant (7426)

FOR RESEARCH USE ONLY! Not to be used on humans.

