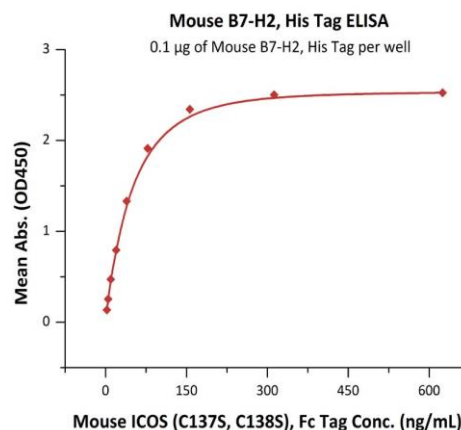
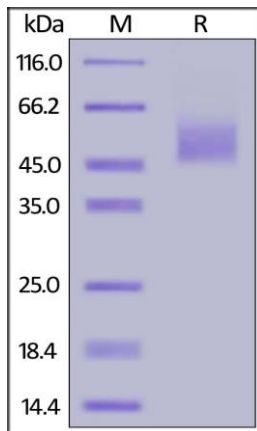


Human CellExp™ ICOSLG /B7-H2 /CD275, Mouse Recombinant

CATALOG NO:	P1478-10 10 µg P1478-50 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 polyhistidine tag at the C-terminus. The protein has a calculated MW of 28.2 kDa. The protein migrates as 45-55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 cells
PURITY:	>90% 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 PBS, pH7.4. 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 Mouse B7-H2, His Tag at 1 µg/mL (100 µL/well) can bind Mouse ICOS, Fc Tag with a linear range of 1-78 ng/mL
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot, and store at -80°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:	Glu 47 - Lys 279



Immobilized Mouse B7-H2, His Tag at 1 µg/mL (100 µL/well) can bind Mouse ICOS, Fc Tag with a linear range of 1-78 ng/mL



Mouse B7-H2, His Tag on SDS-PAGE under reducing (R) condition.

RELATED PRODUCTS:

- Human CellExp™ ICOSLG /B7-H2 /CD275, human recombinant (7426)
- Human CellExp™ ICOSLG /B7-H2 /CD275, Fc Tag, Human Recombinant (P1384)
- ICOS ligand (Mouse) ELISA Kit (K4247)
- ICOSLG /B7-H2 /CD275, mouse recombinant (P1106)

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