

Human CellExp ICOSLG /B7-H2 /CD275, human recombinant protein

ICOSLG, B7-H2, B7H2, B7RP-1, B7RP1, CD275, GL50, ICOS-L, ICOSL, LICOS, ICOS ligand. Catalog # PBV11047r

### **Specification**

## Human CellExp ICOSLG /B7-H2 /CD275, human recombinant protein - Product info

Primary Accession 075144

Calculated MW This protein is fused with 6×His tag at the

C-terminus, has a calculated MW of 27.5 kDa. The predicted N-terminus is Asp 19. DTT-reduced Protein migrates as 45-50

kDa due to glycosylation. KDa

## Human CellExp ICOSLG /B7-H2 /CD275, human recombinant protein - Additional Info

Gene ID 23308 Gene Symbol ICOSLG

**Other Names** 

ICOSLG, B7-H2, B7H2, B7RP-1, B7RP1, CD275, GL50, ICOS-L, ICOSL, LICOS, ICOS ligand.

Gene Source Human

Source HEK293 cells
Assay&Purity SDS-PAGE; ≥95%

Assay2&Purity2 N/A;
Recombinant Yes

Results Measured by its binding ability in a

functional ELISA. Immobilized human ICOSLG / B7H2 at 1  $\mu$ g/ml (100  $\mu$ l/well) can bind human ICOS with a linear range of 3.2

- 400 ng/ml.

Target/Specificity ICOSLG /B7-H2 /CD275

## **Application Notes**

Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50  $\mu$ g/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

# **Format**

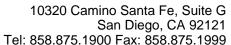
Lyophilized

#### **Storage**

-20°C; Lyophilized from 0.22  $\mu m$  filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

## Human CellExp ICOSLG /B7-H2 /CD275, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.





- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Human CellExp ICOSLG /B7-H2 /CD275, human recombinant protein - Images

## Human CellExp ICOSLG /B7-H2 /CD275, human recombinant protein - Background

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.

## Human CellExp ICOSLG /B7-H2 /CD275, human recombinant protein - References

Wang S.,et al.Blood 96:2808-2813(2000). Yoshinaga S.K.,et al.Int. Immunol. 12:1439-1447(2000). Ling V.,et al.J. Immunol. 164:1653-1657(2000). Ling V.,et al.Patent number WO0121796, 29-MAR-2001. Ishikawa K.,et al.DNA Res. 5:169-176(1998).