

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
Calculated MW

[O75144](#)

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 µg/ml (100 µl/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 µg/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 µm 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 Cytometry](#)
- [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).