

Anti-ICOSL Antibody (Clone# ICOSL/3111)

01/21

CATALOG NO.: A2274-100 (100 µg)

BACKGROUND DESCRIPTION: ICOSL (also known as B7-H2, CD275) is a cell surface antigen that belongs to the family of B7 proteins. It is constitutively expressed by antigen-presenting cells (APCs) such as B cells, dendritic cells, and activated monocytes. It is also the ligand for ICOS, a cell-surface receptor that is expressed by activated T cells. Binding of ICOSL to ICOS leads to activation and proliferation of T cells, as well as the survival of memory T cells. ICOSL plays an important role in diseases such as rheumatoid arthritis, systemic lupus erythematosus, and uveitis, where it triggers the release of cytokines such as IL-10, IL-4, and IFN-γ. ICOSL expression has been observed in several cancers; however, its role is not yet determined.

ALTERNATE NAMES: B7h, B7H2, GL50, B7-H2, B7RP1, CD275, ICOSL, LICOS, B7RP-1, ICOS-L, ICOSLG

ANTIBODY TYPE: Monoclonal

CLONE: ICOSL/3111

HOST/ISOTYPE: Mouse / IgG1, kappa

IMMUNOGEN: Recombinant fragment of human ICOSL protein (aa 23-149)

PURIFICATION: Protein A/G purified

FORM: Liquid

FORMULATION: In 10 mM PBS

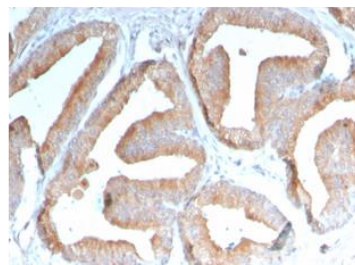
SPECIES REACTIVITY: Human

STORAGE CONDITIONS: Store at -20°C. Avoid freeze/thaw cycles

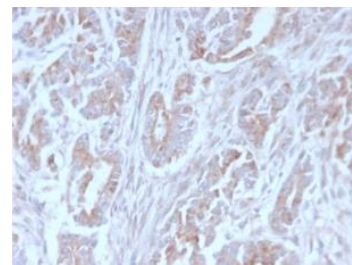
APPLICATIONS AND USAGE: FC (1-2 µg/million cells), IF (1-2 µg/ml), IHC (1-2 µg/ml)

This information is only intended as a guide. The optimal dilutions must be determined by the user

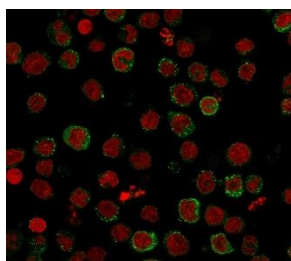
A



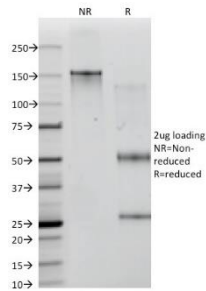
B



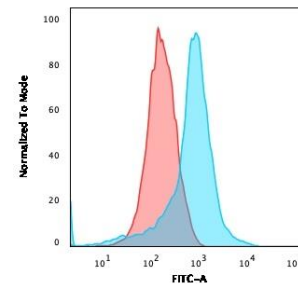
Immunohistochemical analysis of paraffin embedded formalin fixed human prostate carcinoma (A), human colon carcinoma (B and C) using Anti-ICOSL antibody (Clone# ICOSL/3111)



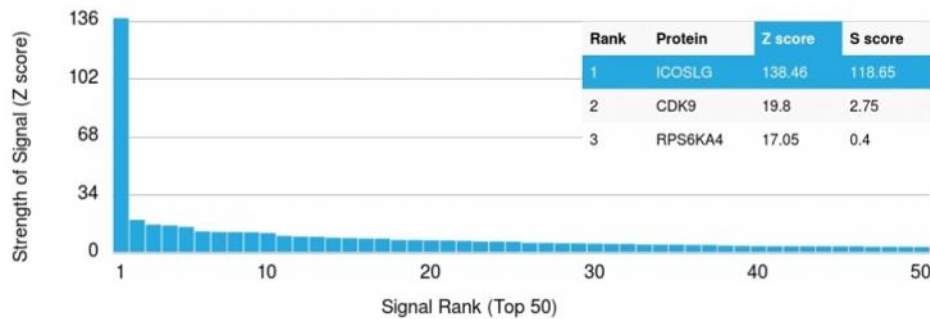
Immunofluorescence analysis of paraformaldehyde fixed U937 cells using Anti-ICOSL antibody (Clone# ICOSL/3111). Secondary antibody used was CF488 conjugated Goat Anti-Mouse IgG antibody. Nuclear stain used was Reddot.



SDS-PAGE analysis to confirm the purity and integrity of Anti-ICOSL antibody (Clone# ICOSL/3111).



Flow cytometry analysis of paraformaldehyde fixed U937 cells using Anti-ICOSL antibody (Clone# ICOSL/3111). Secondary antibody used was CF488 conjugated Goat Anti-Mouse IgG antibody (Blue). Isotype control (Red).



Protein Array analysis of > 19,000 full-length human proteins on HuProt™ array using the Anti-ICOSL antibody (Clone# ICOSL/3111). Protein array data is represented in the form of the Z-score and S-score. Z-score denotes signal strength of a monoclonal antibody (in conjugation with fluorescently-tagged anti-IgG secondary antibody) which it produces when binding to a particular protein on an array. S-score denotes the specificity of a monoclonal antibody relative to the target protein. S-score is calculated as the difference between the Z-scores. If the S-score is > 2.5, then the monoclonal antibody is specific to its target protein of interest.

RELATED PRODUCTS:

IL-2 Antibody (5133)
 Anti-ICOS / CD278 Antibody (A1081)
 Anti-NF-kB p65 Antibody (Clone#AMC0222) (A2000)
 Anti-CD86 Antibody (Clone C86/1146) (A1569)

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