

Mouse anti-Human ICOSL Monoclonal Antibody | anti-ICOSLG antibody

anti-human Inducible co-stimulator ligand (ICOSL) monoclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71486	Mouse	Human	ELISA, Flow Cytometry, Functional Assay

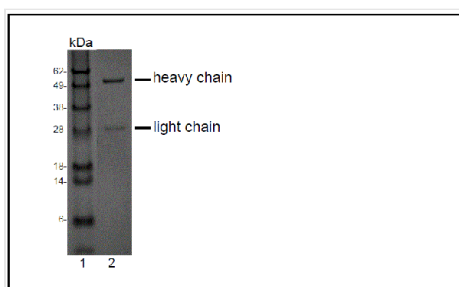
PRODUCT SYNONYMS

ICOSL; Monoclonal Antibody; anti-human Inducible co-stimulator ligand (ICOSL) monoclonal antibody; ICOS ligand; anti-ICOSLG antibody

PRODUCT SPECIFICATIONS

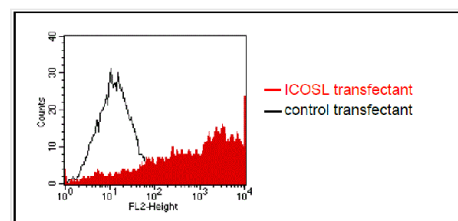
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	GM-13C1
Specificity	anti-human Inducible co-stimulator ligand (ICOSL)
Purity/Purification	Protein G
Form/Format	Purified
Sequence Length	309
Applicable Applications for anti-ICOSLG antibody	ELISA, FCM/FACS (Flow Cytometry)
Immunogen	genetic immunisation with cDNA encoding human ICOSL (extracellular domain)
Selection	based on recognition of the complete native protein expressed on transfected mammalian cells
Immunogen	cDNA
Buffer	phosphate buffered saline, pH 7.2
Preparation and Storage	Short term: 2 degree C - 8 degree C; long term: -20 degree C (avoid repeated freezing and thawing)

IMAGES



Application Data

SDS-PAGE analysis of GM-13C1 The antibody was purified by protein G affinity chromatography from cell culture supernatants and verified by SDS-Page (Fig.2). Fig.2: SDS-PAGE analysis of purified GM-13C1 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified GM-13C1 antibody. Proteins were separated by SDS-PAGE and stained with RAPID Stain™ Reagent.



Application Data

Fig.1: FACS analysis of BOSC23 cells using GM-13C1 Cat.# GM-0301. BOSC23 cells were transiently transfected with an expression vector encoding either ICOSL (red curve) or an irrelevant protein (control transfectant: black curve). Binding of GM-13C1 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with ICOSL transfected cells.

ADDITIONAL INFORMATION

Related Product Information for anti-ICOSLG antibody	Background: Inducible co-stimulator ligand (ICOSL) is a specific ligand on antigen-presenting cells and cells of the peripheral tissue that binds to the inducible co-stimulator receptor (ICOS)(1). ICOS belongs to the CD28/CD152 receptor family that regulates T-cell activation and function. ICOSL is expressed on monocytes, dendritic cells and B cells and can be induced by inflammatory stimuli in peripheral tissue. Binding to ICOSL delivers a co-stimulatory signal for T cell proliferation and cytokine secretion (2,3).
References	Richter G, Hayden-Ledbetter M, Irgang M, Ledbetter JA, Westermann J, Korner I, Daemen K, Clark EA, Aicher A and Pezzutto A (2001). Tumor Necrosis Factor- γ Regulates the Expression of Inducible Costimulator Receptor Ligand on CD34+ Progenitor Cells during Differentiation into Antigen Presenting Cells. J Biol Chem 276: 45686-45693. Richter G and Burdach S (2004). ICOS: a new costimulatory ligand/receptor pair and its role in T-cell activation. Onkologie 27(1): 91-5 Aicher A, Hayden-Ledbetter M, Brady WA, Pezzutto A, Richer G, Magaletti D, Buckwalter S, Ledbetter JA and Clark EA (2000). Characterization of human inducible costimulator ligand expression and function. J Immunol 1;164(9):4689-96

NCBI AND UNIPROT INFORMATION

NCBI GI #	545688560
NCBI GeneID	23308
NCBI Accession #	NP_001269979.1
NCBI GenBank Nucleotide #	NM_001283050.1
UniProt Accession #	O75144; Q9HD18; Q9NRQ1; A8MUZ1
Molecular Weight	20,120 Da
NCBI Official Full Name	ICOS ligand isoform b
NCBI Official Synonym Full Names	inducible T-cell co-stimulator ligand
NCBI Official Symbol	ICOSLG
NCBI Official Synonym Symbols	B7H2; GL50; B7-H2; B7RP1; CD275; ICOSL; LICOS; B7RP-1; ICOS-L
NCBI Protein Information	ICOS ligand; B7 homolog 2; B7 homologue 2; B7-like protein GL50; B7-related protein 1; transmembrane protein B7-H2 ICOS ligand
UniProt Gene Name	ICOSLG
UniProt Synonym Gene Names	B7H2; B7RP1; ICOSL; KIAA0653; B7-H2; B7RP-1
UniProt Entry Name	ICOSL_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/icosl-antibody-clone-gm-13c1-flow-cytometry-elisa/71486>