



Anti-ICOSLG monoclonal antibody, clone MIH11 [FITC] (CABT-47445MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Human CD275 antibody, clone MIH11 detects CD275, also known as ICOS ligand (inducible T cell co-stimulator ligand). CD275 is a member of the B7 family, and interaction with its receptor CD278 (ICOS) plays an important role in T cell co-stimulation and inflammatory immune reactions. CD275 is expressed on activated B-cells, monocytes and dendritic cells and is also induced on non-lymphoid tissue cells such as endothelial cells, epithelial cells and muscle cells. CD275 has an important physiological role in the reactivation of effector/memory T cells on the endothelium, thus controlling entry of immune cells into inflamed tissue. The CD278-CD275 pathway is thought to be critical in the immune response to transplants, allergies and autoimmune diseases. MIH11 is reported to partially block the interaction between CD275 and CD278. Flow Cytometry Use 10ul of the suggested working dilution to label 1x10⁶ cells in 100ul.

Specificity	ICOSLG
Immunogen	CD275 - L cells
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	MIH11
Conjugate	FITC
Applications	FC
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Size	100 µg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	ICOSLG inducible T-cell co-stimulator ligand [Homo sapiens (human)]
Official Symbol	ICOSLG
Synonyms	ICOSLG; inducible T-cell co-stimulator ligand; B7H2; GL50; B7-H2; B7RP1; CD275; ICOSL; LICOS; B7RP-1; ICOS-L; ICOS ligand; B7 homolog 2; B7 homologue 2; B7-like protein GL50; B7-related protein 1; transmembrane protein B7-H2 ICOS ligand;
Entrez Gene ID	23308
Protein Refseq	NP_001269979
UniProt ID	O75144
Chromosome Location	21q22.3
Pathway	Adaptive Immune System; Cell adhesion molecules (CAMs); Costimulation by the CD28 family; Immune System; Intestinal immune network for IgA production;
Function	receptor binding;