

PE/Cyanine7 anti-human CD275 (B7-H2, ICOSL) Antibody

Catalog# / Size	387509 / 25 tests 387510 / 100 tests
Clone	W21036I
Regulatory Status	RUO
Other Names	CD275, ICOSL, B7H2, ICOS-L, B7RP-1, B7-RP1
Isotype	Rat IgG2a, κ
Description	B7-H2, a member of the B7 family and the immunoglobulin superfamily, is a 40 kD protein also known as B7RP-1, B7h, B7-H2, GL50 and ICOS Ligand. Human B7-H2 is expressed by B lymphocytes, activated monocytes/macrophages, and dendritic cells. B7-H2 binds to a CD28-like receptor, inducible costimulator molecule (ICOS, AILIM, CRP-1), which is expressed by activated T cells. The interaction of ICOS with B7-H2 plays an important role in the T cell costimulation pathway.

Product Details

Verified Reactivity	Human
Antibody Type	Monoclonal
Host Species	Rat
Immunogen	Human B7-H2 recombinant protein (19-258 aa)
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis . For flow cytometric staining, the suggested use of this reagent is 5 μ L per million cells in 100 μ L staining volume or 5 μ L per 100 μ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Excitation Laser	Blue Laser (488 nm) Green Laser (532 nm)/Yellow-Green Laser (561 nm)
Application Notes	Clone W21036I completely blocks clone 9F.8A4 but does not block clone 2D3.
RRID	AB_3699042 (BioLegend Cat. No. 387509) AB_3699042 (BioLegend Cat. No. 387510)

Antigen Details

Structure	Ig superfamily, B7 family, 40 kD
Distribution	B cells and dendritic cells
Function	Binds ICOS on antigen-activated T cells and mediates proliferation and cytokine production

Interaction	B cells, Dendritic cells
Ligand/Receptor	ICOS
Cell Type	B cells, Dendritic cells
Biology Area	Costimulatory Molecules, Immunology
Molecular Family	CD Molecules
Antigen References	<ol style="list-style-type: none"> 1. Wang S, <i>et al.</i> 2002. <i>J Biol Chem.</i> 96:2808. 2. Wong SC, <i>et al.</i> 2003. <i>Blood.</i> 102:1831.
Gene ID	23308

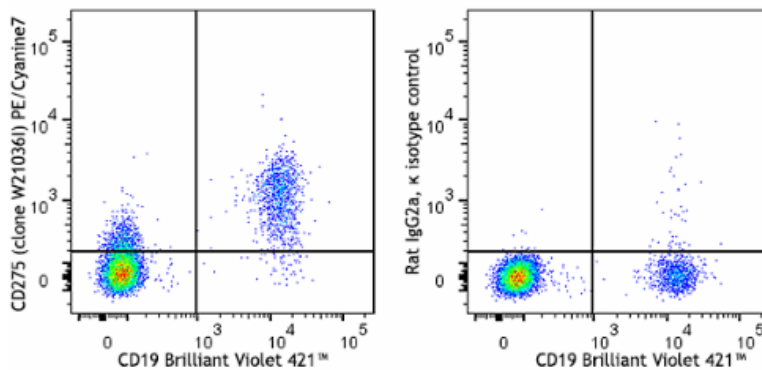
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

Purified anti-human CD275 (B7-H2, ICOSL), PE anti-human CD275 (B7-H2, ICOSL), Ultra-LEAF™ Purified anti-human CD275 (B7-H2, ICOSL), APC anti-human CD275 (B7-H2, ICOSL) Antibody, PE/Cyanine7 anti-human CD275 (B7-H2, ICOSL) Antibody

Product Data



Human peripheral blood lymphocytes were stained with anti-human CD19 (clone HIB19) Brilliant Violet 421™ and anti-human CD275 (B7-H2, ICOSL) (clone W210361) PE/Cyanine7 or rat IgG2a, κ PE/Cyanine7 isotype control (right).

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