

## APC anti-human CD275 (B7-H2, ICOSL) Antibody

<b>Catalog# / Size</b>	387507 / 25 tests 387508 / 100 tests
<b>Clone</b>	W210361
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	CD275, ICOSL, B7H2, ICOS-L, B7RP-1, B7-RP1
<b>Isotype</b>	Rat IgG2a, $\kappa$
<b>Description</b>	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

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Rat
<b>Immunogen</b>	Human B7-H2 recombinant protein (19-258 aa)
<b>Formulation</b>	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
<b>Preparation</b>	The antibody was purified by affinity chromatography and conjugated with APC under optimal conditions.
<b>Concentration</b>	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our <a href="#">Certificate of Analysis</a> online tool.)
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. <b>Do not freeze.</b>
<b>Application</b>	<a href="#">FC - Quality tested</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is 5 $\mu$ L per million cells in 100 $\mu$ L staining volume or 5 $\mu$ L per 100 $\mu$ L of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Excitation Laser</b>	Red Laser (633 nm)
<b>Application Notes</b>	Clone W210361 completely blocks clone 9F.8A4 but does not block clone 2D3.
<b>RRID</b>	AB_3699041 (BioLegend Cat. No. 387507) AB_3699041 (BioLegend Cat. No. 387508)

### Antigen Details

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

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

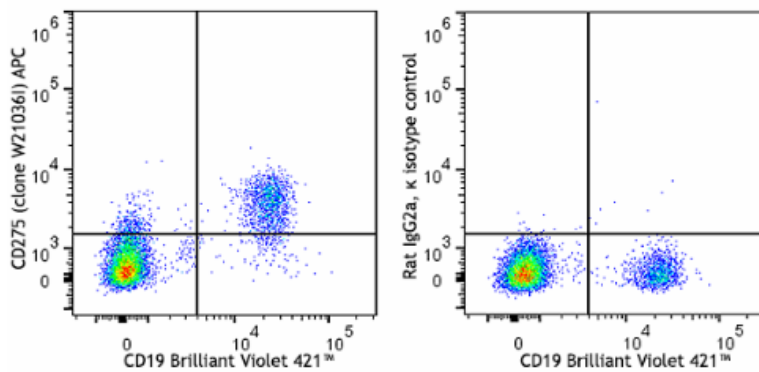
## Related Protocols

- [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 H1B19) Brilliant Violet 421™ and anti-human CD275 (B7-H2, ICOSL) (clone W210361) APC or rat IgG2a, κ APC isotype control (right).

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