

CD275 (B7-H2) Monoclonal Antibody (MIH12), Biotin, eBioscience™

Product Details

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| Size | 100 µg |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Mouse / IgG1, kappa |
| Recommended Isotype Control | Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™ |
| Class | Monoclonal |
| Type | Antibody |
| Clone | MIH12 |
| Conjugate | Biotin |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Affinity chromatography |
| Storage buffer | PBS, pH 7.2 |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C, store in dark, DO NOT FREEZE! |
| RRID | AB_466759 |

| Applications | Tested Dilution | Publications |
|---|-----------------|----------------|
| Immunohistochemistry (Frozen) (IHC (F)) | Assay-Dependent | 1 Publication |
| Flow Cytometry (Flow) | 1 µg/test | 6 Publications |
| Neutralization (Neu) | - | 1 Publication |
| Functional Assay (FN) | - | 1 Publication |
| Inhibition Assays (IA) | - | 1 Publication |

Product Specific Information

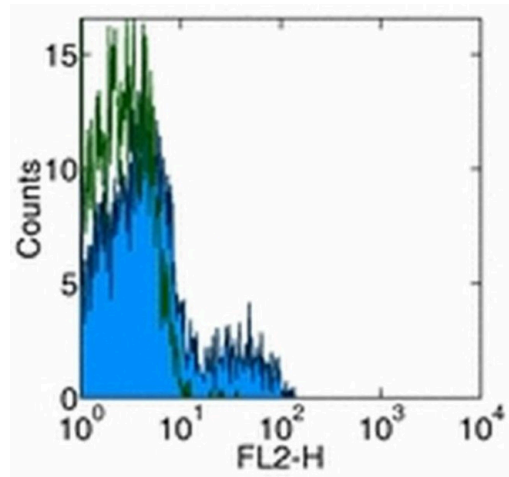
Description: The MIH12 monoclonal antibody reacts with human B7RP-1, also known as B7h, B7-H2, GL50 and ICOS Ligand. B7RP-1, a member of the B7 family, has a predicted molecular weight of approximately 40 kDa and belongs to the Ig superfamily. Human B7RP-1 is expressed by activated monocytes/macrophages. B7RP-1 binds to the ICOS molecule (AILIM, CRP-1) expressed by activated T cells. The interaction of ICOS/B7RP-1 plays an important role in the T cell costimulation pathway.

Applications Reported: This MIH12 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections. Applicability of MIH12 for immunoprecipitation and immunoblotting (WB) has not been determined.

Applications Tested: The MIH12 antibody has been tested by flow cytometric analysis of normal human peripheral blood monocyte-derived dendritic cells. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD275 (B7-H2) Monoclonal Antibody (MIH12), Biotin, eBioscience™



CD275 (B7-H2) Antibody (13-5889-82) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD275 (B7-H2) PE (filled histogram). Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

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Immunohistochemistry (Frozen) (1)

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| Scandinavian journal of immunology | Year |
| Expression and regulation of human CD275 on endothelial cells in healthy and inflamed mucosal tissues. | 2006 |
| Authors: Youngnak-Piboonratanakit P,Tsushima F,Otsuki N,Igarashi H,Omura K,Azuma M | |

Flow Cytometry (6)

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|---|------|
| Journal of cell science | Year |
| GM-CSF-activated human dendritic cells promote type 1 T follicular helper cell polarization in a CD40-dependent manner. | 2022 |
| "Published figure using CD275 (B7-H2) monoclonal antibody (Product # 13-5889-82) in Flow Cytometry" | |
| Authors: Korniotis S,Saichi M,Trichot C,Hoffmann C,Amblard E,Viguiet A,Grondin S,Noel F,Mattoo H,Soumelis V | |

| | |
|--|------|
| eLife | Year |
| Cytomegalovirus restricts ICOSL expression on antigen-presenting cells disabling T cell co-stimulation and contributing to immune evasion. | 2021 |
| "Published figure using CD275 (B7-H2) monoclonal antibody (Product # 13-5889-82) in Flow Cytometry" | |
| Authors: Angulo G,Zeleznjak J,Martínez-Vicente P,Puñet-Ortiz J,Hengel H,Messerle M,Oxenius A,Jonjic S,Krmpoti A,Engel P,Angulo A | |

View more Flow references on thermofisher.com

Neutralization (1)

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|---|------|
| Oncoimmunology | Year |
| Tumor-infiltrating plasmacytoid dendritic cells promote immunosuppression by Tr1 cells in human liver tumors. | 2015 |
| "Published figure using CD275 (B7-H2) monoclonal antibody (Product # 13-5889-82) in Neutralization" | |
| Authors: Pedroza-Gonzalez A,Zhou G,Vargas-Mendez E,Boor PP,Mancham S,Verhoef C,Polak WG,Grünhagen D,Pan Q,Janssen H,Garcia-Romo GS,Biermann K,Tjwa ET,IJzermans JN,Kwekkeboom J,Sprengers D | |

More applications with references on thermofisher.com

- FN (1)
- IA (1)

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