

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

Product Details	
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, with 0.1% gelatin
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	5 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.

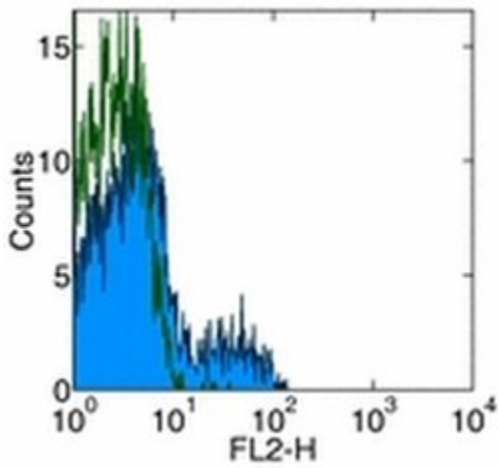
Applications Reported: This MIH12 antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections. Applicability of MIH12 for immunoprecipitation and immunoblotting (WB) has not been determined.

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.

[View more figures on thermofisher.com](https://www.thermofisher.com)

9 References

Immunohistochemistry (Frozen) (1)

Scandinavian journal of immunology

Expression and regulation of human CD275 on endothelial cells in healthy and inflamed mucosal tissues.

Authors: Youngnak-Piboonratanakit P, Tsushima F, Otsuki N, Igarashi H, Omura K, Azuma M

Species
Not Applicable

Dilution
Not Cited

Year
2006

Flow Cytometry (5)

eLife

Cytomegalovirus restricts ICOSL expression on antigen-presenting cells disabling T cell co-stimulation and contributing to immune evasion.

"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, Krmpotic A, Engel P, Angulo A

Species
Not Applicable

Dilution
Not Cited

Year
2021

Stem cell research & therapy

Comprehensive characterization of chorionic villi-derived mesenchymal stromal cells from human placenta.

"Published figure using CD275 (B7-H2) monoclonal antibody (Product # 13-5889-82) in Flow Cytometry"

Authors: Ventura Ferreira MS, Bienert M, Müller K, Rath B, Goecke T, Opländer C, Braunschweig T, Mela P, Brümmendorf TH, Beier F, Neuss S

Species
Not Applicable

Dilution
Not Cited

Year
2018

[View more Flow references on thermofisher.com](#)

Neutralization (1)

Oncoimmunology

Tumor-infiltrating plasmacytoid dendritic cells promote immunosuppression by Tr1 cells in human liver tumors.

"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

Species
Not Applicable

Dilution
Not Cited

Year
2015

More applications with references on thermofisher.com

FN (1)

IA (1)

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