

CD274 (PD-L1, B7-H1) Monoclonal Antibody (MIH1), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MIH1
Conjugate	APC
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin, 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_10597586

Applications	Tested Dilution	Publications
Western Blot (WB)	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	14 Publications
Functional Assay (FN)	-	2 Publications

Product Specific Information

Description: The MIH1 monoclonal antibody reacts with human B7-H1, also known as PD-L1. B7-H1, a member of the B7 family, has a predicted molecular weight of approximately 40 kDa and belongs to the Ig superfamily. B7-H1 is expressed on a majority of leukocytes. B7-H1 is a ligand for PD-1. Interaction of PD-1 with either PD-L1 (B7-H1) or PD-L2 (B7-DC) results in inhibition of T and B cell responses. MIH1 is reported to be a blocking antibody.

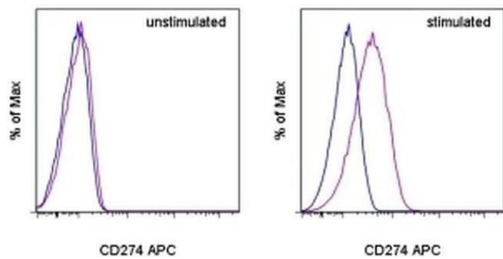
Applications Reported: This MIH1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This MIH1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 µL (0.5 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.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD274 (PD-L1, B7-H1) Monoclonal Antibody (MIH1), APC, eBioscience™



CD274 (PD-L1, B7-H1) Antibody (17-5983-42) in Flow

Staining of unstimulated (left) or PHA-stimulated (right) normal human peripheral blood cells with Mouse IgG1 K Isotype Control APC (Product # 17-4714-81) (blue histogram) or Anti-Human CD274 (B7-H1) APC (purple histogram). Viable cells in the lymphocyte gate, as determined by Fixable Viability Dye eFluor® 520 (Product # 65-0867-14), were used for analysis.

21 References

Western Blot (2)

OncoTargets and therapy

The Immunostimulative Effect and Mechanisms of a Novel Mouse Anti-Human PD-1 Monoclonal Antibody on Jurkat Lymphocytic Cells Cocultured with Hepatoma Cells.

"17-5983 was used in Western Blotting to demonstrated that anti-PD-1 mAb B1C4 could inhibit the apoptosis of Jurkat cells induced by HePG2 hepatoma cells and reverse the immunosuppressive effect of HePG2 cells on Jurkat cells."

Authors: Li Z,Li B,Li L,Wang G,Li Y,Fu R,Ming Y,Ni R,Wang J,Ye G,Chen J

Species
Human

Dilution
1:500

Year
2022

Cancer immunology research

Correlation of PD-L1 Surface Expression on Leukemia Cells with the Ratio of PD-L1 mRNA Variants and with Electrophoretic Mobility.

"17-5983 was used in Western blot to show that the expression of PD-L1 on the surface of leukemic and normal hematopoietic cells correlates with the ratio of mRNA variant 1 to variant 2."

Authors: Brodská B,Otevelová P,Kuželová K

Species
Human

Dilution
Not Cited

Year
2016

Immunohistochemistry (Frozen) (2)

Nephron. Experimental nephrology

Expression of B7-H1 in inflammatory renal tubular epithelial cells.

Authors: Chen Y,Zhang J,Li J,Zou L,Zhao T,Tang Y,Wu Y

Species
Not Applicable

Dilution
Not Cited

Year
2006

Clinical cancer research : an official journal of the American Association for Cancer Research

Clinical significance of programmed death-1 ligand-1 and programmed death-1 ligand-2 expression in human esophageal cancer.

Authors: Ohigashi Y,Sho M,Yamada Y,Tsurui Y,Hamada K,Ikeda N,Mizuno T,Yoriki R,Kashizuka H,Yane K,Tsushima F,Otsuki N,Yagita H,Azuma M,Nakajima Y

Species
Not Applicable

Dilution
Not Cited

Year
2005

More applications with references on thermofisher.com

ICC/IF (1) Flow (14) FN (2)

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