

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

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Artificial Control, 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	MIH1
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, do not freeze
RRID	AB_466840

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.5 µg/test	28 Publications
ChIP assay (ChIP)	-	1 Publication
ELISA (ELISA)	-	1 Publication
Functional Assay (FN)	-	1 Publication
Immunofluorescence (IF)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunohistochemistry (IHC)	-	3 Publications
Neutralization (Neu)	-	1 Publication
Western Blot (WB)	-	3 Publications

Product Specific Information

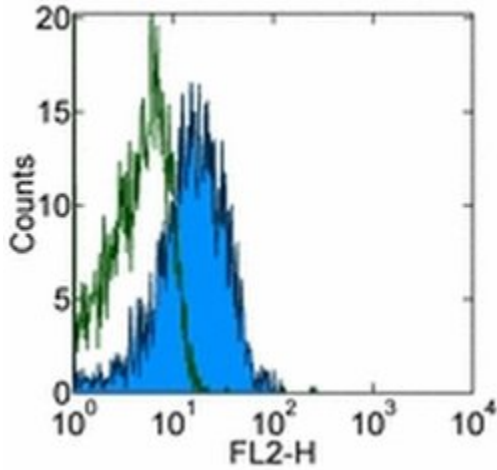
Description: The MIH1 monoclonal antibody reacts with human B7-H1, also known as PD-L1. B7-H1, a member of the B7 family, has a predicted molecular weight of approximately 40 kDa and belongs to the Ig superfamily. B7-H1 is expressed on a majority of leukocytes. B7-H1 is a ligand for PD-1. Interaction 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: The MIH1 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The MIH1 antibody has been tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at less than or equal to 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. 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 CD274 (PD-L1, B7-H1) Monoclonal Antibody (MIH1), Biotin, eBioscience™



CD274 (PD-L1, B7-H1) Antibody (13-5983-82) in Flow

Staining of normal human peripheral blood cells with 0.25 µg of Mouse IgG1 K Isotype Control Biotin (Product # 13-4714-85) (open histogram) or 0.25 µg of Anti-Human CD274 (B7-H1) Biotin (filled histogram) followed by Streptavidin PE (Product # 12-4317-87). Cells in the lymphocyte gate were used for analysis.

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Western Blot (3)

Molecular medicine reports

ATMJAKPDL1 signaling pathway inhibition decreases EMT and metastasis of androgenindependent prostate cancer.

"Published figure using CD274 (PD-L1, B7-H1) monoclonal antibody (Product # 13-5983-82) in Western Blot"

Authors: Zhang L,Xu LJ,Zhu J,Li J,Xue BX,Gao J,Sun CY,Zang YC,Zhou YB,Yang DR,Shan YX

Species
Not Applicable

Dilution
Not Cited

Year
2018

The Journal of biological chemistry

Hormonal vitamin D up-regulates tissue-specific PD-L1 and PD-L2 surface glycoprotein expression in humans but not mice.

"Published figure using CD274 (PD-L1, B7-H1) monoclonal antibody (Product # 13-5983-82) in Immunohistochemistry"

Authors: Dimitrov V,Bouttier M,Boukhaled G,Salehi-Tabar R,Avramescu RG,Memari B,Hasaj B,Lukacs GL,Krawczyk CM,White JH

Species
Artificial Control

Dilution
Not Cited

Year
2017

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

Immunohistochemistry (3)

The Journal of biological chemistry

Hormonal vitamin D up-regulates tissue-specific PD-L1 and PD-L2 surface glycoprotein expression in humans but not mice.

"Published figure using CD274 (PD-L1, B7-H1) monoclonal antibody (Product # 13-5983-82) in Immunohistochemistry"

Authors: Dimitrov V,Bouttier M,Boukhaled G,Salehi-Tabar R,Avramescu RG,Memari B,Hasaj B,Lukacs GL,Krawczyk CM,White JH

Species
Artificial Control

Dilution
Not Cited

Year
2017

PLoS one

Upregulation of Programmed Death-1 and Its Ligand in Cardiac Injury Models: Interaction with GADD153.

"Published figure using CD274 (PD-L1, B7-H1) monoclonal antibody (Product # 13-5983-82) in Immunohistochemistry"

Authors: Baban B,Liu JY,Qin X,Weintraub NL,Mozaffari MS

Species
Not Applicable

Dilution
Not Cited

Year
2016

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

More applications with references on thermofisher.com

IHC (F) (2)

IF (1)

Flow (28)

ELISA (1)

ChIP (1)

Neu (1)

FN (1)

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