

CD274 (PD-L1, B7-H1) Monoclonal Antibody (MIH1), 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	MIH1
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, do not freeze
RRID	AB_466840

Applications	Tested Dilution	Publications
Western Blot (WB)	-	4 Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	6 Publications
Flow Cytometry (Flow)	0.5 µg/test	49 Publications
ELISA (ELISA)	-	2 Publications
ChIP assay (ChIP)	-	1 Publication
Neutralization (Neu)	-	5 Publications
Functional Assay (FN)	-	1 Publication

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.

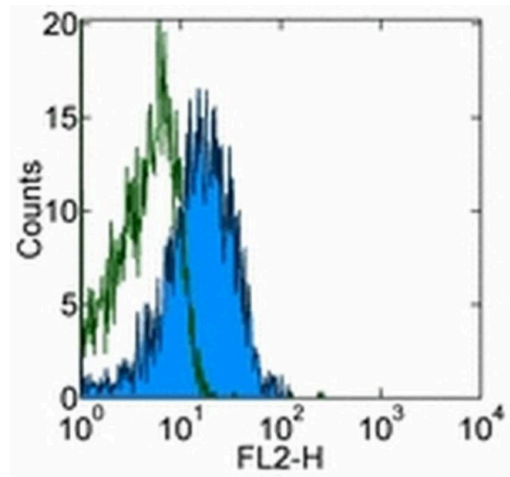
Applications Reported: The MIH1 antibody has been reported for use in flow cytometric analysis.

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 (4)

Cancers	Year
Microbe-Mediated Activation of Toll-like Receptor 2 Drives PDL1 Expression in HNSCC.	2021
"Published figure using CD274 (PD-L1, B7-H1) monoclonal antibody (Product # 13-5983-82) in Western Blot"	
Authors: Mann JE,Ludwig ML,Kulkarni A,Scheftz EB,Murray IR,Zhai J,Gensterblum-Miller E,Jiang H,Brenner JC	

Molecular medicine reports	Year
ATMJAKPDL1 signaling pathway inhibition decreases EMT and metastasis of androgenindependent prostate cancer.	2018
"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	

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

Immunohistochemistry (3)

Biomedicines	Year
Concomitant High Apoptosis Inhibitor of Macrophage (AIM) and Low Prostate-Specific Antigen (PSA) Indicates Activated T Cell-Mediated Anticancer Immunity, Enhance Sensitivity to Pembrolizumab, and Elicit Good Prognosis in Prostate Cancer.	2021
"Published figure using CD274 (PD-L1, B7-H1) monoclonal antibody (Product # 13-5983-82) in Immunohistochemistry"	
Authors: Bamodu OA,Wang YH,Yeh CT,Ho CH,Chiang YT,Kao WT,Liu CH,Wu CC	

The Journal of biological chemistry	Year
Hormonal vitamin D up-regulates tissue-specific PD-L1 and PD-L2 surface glycoprotein expression in humans but not mice.	2017
"Published figure using CD274 (PD-L1, B7-H1) monoclonal antibody (Product # 13-5983-82) in Immunocytochemistry"	
Authors: Dimitrov V,Bouttier M,Boukhaled G,Salehi-Tabar R,Avramescu RG,Memari B,Hasaj B,Lukacs GL,Krawczyk CM,White JH	

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

More applications with references on thermofisher.com

IHC (F) (2)	ICC/IF (6)	Flow (49)	ELISA (2)	ChIP (1)	Neu (5)	FN (1)
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