

CD274 (PD-L1, B7-H1) Monoclonal Antibody (MIH1), eFluor™ 450, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), eFluor™ 450, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MIH1
Conjugate	eFluor™ 450
Excitation/Emission Max	405/445 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2574091

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	-	5 Publications
Flow Cytometry (Flow)	5 µL (0.5 µg)/test	47 Publications
ELISA (ELISA)	-	1 Publication
ChIP assay (ChIP)	-	1 Publication
Neutralization (Neu)	-	3 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: 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

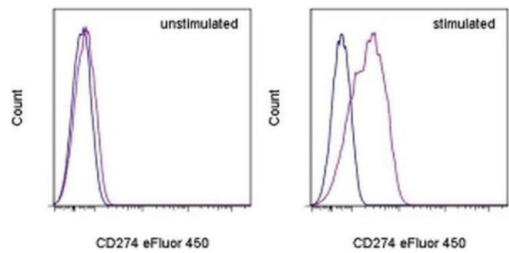
peripheral blood cells. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells /test.

eFluor® 450 is an alternative to Pacific Blue®. eFluor® 450 emits at 445 nm and is excited with the Violet laser (405 nm). Please make sure that your instrument is capable of detecting this fluorocho

Excitation: 405 nm; Emission: 445 nm; Laser: Violet Laser.

Filtration: 0.2 μ m post-manufacturing filtered.

Product Images For CD274 (PD-L1, B7-H1) Monoclonal Antibody (MIH1), eFluor™ 450, eBioscience™



CD274 (PD-L1, B7-H1) Antibody (48-5983-42) in Flow
Staining of unstimulated (left) or PHA-stimulated (right) normal human peripheral blood cells with Mouse IgG1 K Isotype Control eFluor® 450 (Product # 48-4714-82) (blue histogram) or Anti-Human CD274 (B7-H1) eFluor® 450 (purple histogram). Viable cells in the lymphocyte gate, as determined by Fixable Viability Dye eFluor® 520 (Product # 65-0867-14), were used for analysis.

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Immunohistochemistry (3)

<p>Biomedicines</p> <p>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.</p> <p>"Published figure using CD274 (PD-L1, B7-H1) monoclonal antibody (Product # 48-5983-42) in Immunohistochemistry"</p> <p>Authors: Bamodu OA,Wang YH,Yeh CT,Ho CH,Chiang YT,Kao WT,Liu CH,Wu CC</p>	<p>Year</p> <p>2021</p>
<p>The Journal of biological chemistry</p> <p>Hormonal vitamin D up-regulates tissue-specific PD-L1 and PD-L2 surface glycoprotein expression in humans but not mice.</p> <p>"Published figure using CD274 (PD-L1, B7-H1) monoclonal antibody (Product # 48-5983-42) in Immunocytochemistry"</p> <p>Authors: Dimitrov V,Bouttier M,Boukhaled G,Salehi-Tabar R,Avramescu RG,Memari B,Hasaj B,Lukacs GL,Krawczyk CM,White JH</p>	<p>Year</p> <p>2017</p>

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Immunohistochemistry (Frozen) (2)

<p>Nephron. Experimental nephrology</p> <p>Expression of B7-H1 in inflammatory renal tubular epithelial cells.</p> <p>Authors: Chen Y,Zhang J,Li J,Zou L,Zhao T,Tang Y,Wu Y</p>	<p>Year</p> <p>2006</p>
<p>Clinical cancer research : an official journal of the American Association for Cancer Research</p> <p>Clinical significance of programmed death-1 ligand-1 and programmed death-1 ligand-2 expression in human esophageal cancer.</p> <p>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</p>	<p>Year</p> <p>2005</p>

More applications with references on thermofisher.com

- ICC/IF (5)
- Flow (47)
- ELISA (1)
- ChIP (1)
- Neu (3)
- FN (1)

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