

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

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Non-human primate, Human, Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Functional Grade, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	MIH1
Conjugate	Functional Grade
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	no preservative
Storage conditions	4° C
RRID	AB_469180

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	4 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	4 Publications
Immunocytochemistry (ICC/IF)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	12 Publications
Neutralization (Neu)	Assay-Dependent	9 Publications
Functional Assay (FN)	Assay-Dependent	11 Publications
Inhibition Assays (IA)	-	5 Publications
In vitro Assay (IV)	-	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. It has also been reported in blocking in in vitro functional assays.

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 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.

Storage and handling: Use in a sterile environment.

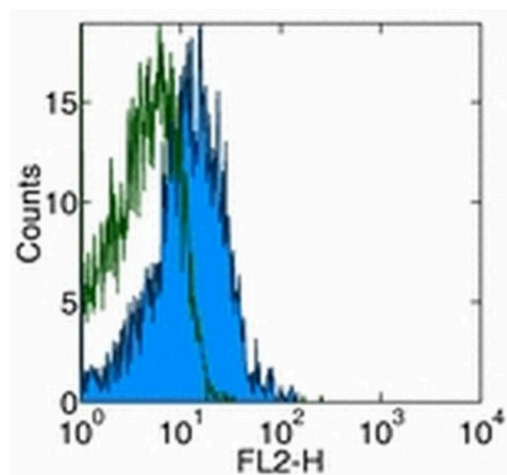
Filtration: 0.2 μ m post-manufacturing filtered.

Purity: Greater than 90%, as determined by SDS-PAGE.

Endotoxin Level: Less than 0.001 ng/ μ g antibody, as determined by LAL assay.

Aggregation: Less than 10%, as determined by HPLC.

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



CD274 (PD-L1, B7-H1) Antibody (16-5983-82) in Flow

Staining of normal human peripheral blood cells with Anti-Human CD274 (B7-H1) PE. Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

Immunohistochemistry (4)

<p>Oncology letters</p> <p>B7-H3 and B7-H1 expression in cerebral spinal fluid and tumor tissue correlates with the malignancy grade of glioma patients.</p> <p>"16-5983 was used in Immunohistochemistry to examine the expression of B7 molecules in cerebral spinal fluid and tumour tissue, in relation to malignancy grade in glioma patients."</p> <p>Authors: Baral A,Ye HX,Jiang PC,Yao Y,Mao Y</p>	<p>Year 2014</p> <p>Species Human</p> <p>Dilution 1:200</p>
<p>Neuro-oncology</p> <p>B7-H1 is correlated with malignancy-grade gliomas but is not expressed exclusively on tumor stem-like cells.</p> <p>"16-5983 was used in Immunohistochemistry to establish a correlation between the expression of the negative costimulatory molecule B7-H1 and the malignancy grade of human gliomas."</p> <p>Authors: Yao Y,Tao R,Wang X,Wang Y,Mao Y,Zhou LF</p>	<p>Year 2009</p> <p>Species Human</p>

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Immunohistochemistry (Frozen) (4)

<p>Journal of immunology research</p> <p>Adoptive TIL transfer in the adjuvant setting for melanoma: long-term patient survival.</p> <p>"16-5983 was used in Immunohistochemistry to confirm association of long-term patient survival with the presence of specific TILs and a decrease in Foxp3 expression."</p> <p>Authors: Khammari A,Knol AC,Nguyen JM,Bossard C,Denis MG,Pandolfino MC,Quéreux G,Bercegeay S,Dréno B</p>	<p>Year 2015</p> <p>Species Human</p>
<p>Clinical cancer research : an official journal of the American Association for Cancer Research</p> <p>T-cell immune function in tumor, skin, and peripheral blood of advanced stage melanoma patients: implications for immunotherapy.</p> <p>"16-5983 was used in Immunohistochemistry to investigate T-cell effector function in relation to tumour-escape mechanisms."</p> <p>Authors: Tjin EP,Konijnenberg D,Krebbers G,Mallo H,Drijfhout JW,Franken KL,van der Horst CM,Bos JD,Nieweg OE,Kroon BB,Haanen JB,Melief CJ,Vyth-Dreese FA,Luiten RM</p>	<p>Year 2011</p> <p>Species Human</p>

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- ICC/IF (1)
- Flow (12)
- Neu (9)
- FN (11)
- IA (5)
- IV (1)

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