

Product Datasheet

PD-L1 Antibody (MIH5) - BSA Free NBP1-43262-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP1-43262-0.1mg

PD-L1 Antibody (MIH5) - BSA Free

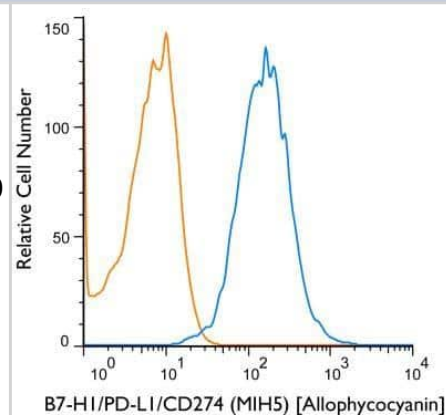
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MIH5
Preservative	0.09% Sodium Azide
Isotype	IgG2a Lambda
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)

Product Description	
Description	Novus Biologicals Rat PD-L1 Antibody (MIH5) - BSA Free (NBP1-43262) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. Anti-PD-L1 Antibody: Cited in 10 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Gene ID	29126
Gene Symbol	CD274
Species	Human, Mouse
Immunogen	The immunogen for this antibody was B7H1.

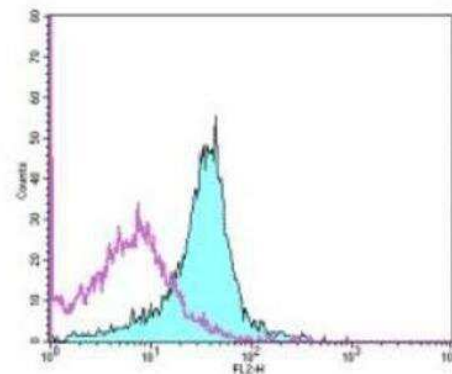
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, In vivo assay
Recommended Dilutions	Western Blot 1:100-1:2000, Flow Cytometry 1:10-1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Frozen 1:10-1:500, In vivo assay
Application Notes	The MIH5 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.5 ug per test. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID: 30703170). Use In vivo reported in scientific literature (PMID: 30910830).

Images

Flow Cytometry: PD-L1/B7-H1 Antibody (MIH5) [NBP1-43262] - B7-H1/PD-L1/CD274 Antibody (MIH5) [NBP1-43262] - Using the Allophycocyanin direct conjugate A cell surface stain was performed on RAW246.7 cells with B7-H1/PD-L1/CD274 (MIH5) antibody NBP1-43262APC (blue) and a matched isotype control NBP1-51104APC (orange). Cells were incubated in an antibody dilution of 0.5 ug/mL for 20 minutes at room temperature. Both antibodies were conjugated to Allophycocyanin.



Flow Cytometry: PD-L1/B7-H1 Antibody (MIH5) [NBP1-43262] - B7-H1/PD-L1/CD274 Antibody (MIH5) [NBP1-43262] - Analysis using the Biotin conjugate of NBP1-43262. Staining of C57Bl/6 splenocytes with 0.125 ug of Rat IgG2a Isotype Control Biotin (open histogram) or 0.125 ug of Anti-Mouse (B7-H1) Biotin (filled histogram) followed by Streptavidin PE.

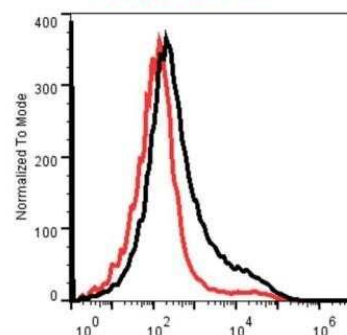


Flow Cytometry: PD-L1/B7-H1 Antibody (MIH5) [NBP1-43262] - B7-H1/PD-L1/CD274 Antibody (MIH5) [NBP1-43262] - Staining of mouse splenocytes with Anti-Mouse B7-H1/PD-L1/CD274 PE. Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.



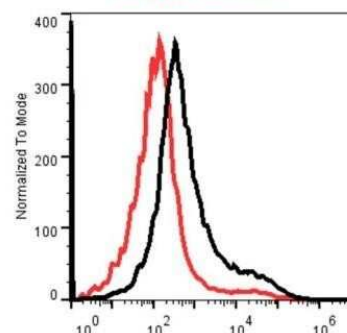
Flow Cytometry: PD-L1/B7-H1 Antibody (MIH5) [NBP1-43262] - Analysis using the DyLight 488 conjugate of NBP1-43262. Staining of PD-L1 in human primary colon cancer cell using anti-PD-L1 antibody. Image from verified customer review.

Extracellular PDL1
Isotype control



Flow Cytometry: PD-L1/B7-H1 Antibody (MIH5) [NBP1-43262] - Analysis using the DyLight 488 conjugate of NBP1-43262. Staining of PD-L1 in HT29 cells using anti-PD-L1 antibody. The data shows the detection of total PD-L1 status in the cancer cells. Image from verified customer review.

Total PDL1
Isotype control



Publications

Chakrabarti J, Holokai L, Syu L et al. Hedgehog signaling induces PD-L1 expression and tumor cell proliferation in gastric cancer. *Oncotarget* 2018-12-21 [PMID: 30647844]

H. B. Deepak, Sabina Evan Prince, Pratima Deshpande Effect of baricitinib in regulating programmed death 1 and ligand programmed cell death ligand 1 through JAK/STAT pathway in psoriasis *Indian Journal of Pharmacology* 2022-01-01 [PMID: 35848689]

Kugeratski FG, LeBleu VS, Dowlatshahi DP et al. Engineered immunomodulatory extracellular vesicles derived from epithelial cells acquire capacity for positive and negative T cell co-stimulation in cancer and autoimmunity *bioRxiv* : the preprint server for biology 2023-11-04 [PMID: 37961535]

Wu Q, Wang W, Zhang C et al. Capturing nascent extracellular vesicles by metabolic glycan labeling-assisted microfluidics *Nature communications* 2023-10-17 [PMID: 37848408]

He X, Smith SE, Chen S et al. Tumor-initiating stem cell shapes its microenvironment into an immunosuppressive barrier and pro-tumorigenic niche *Cell reports* 2021-09-07 [PMID: 34496236]

Harding J, Vintersten-Nagy K, Shutova M, Yang H Induction of long-term allogeneic cell acceptance and formation of immune privileged tissue in immunocompetent Hosts *bioRxiv* 2019-07-30 (IHC-Fr, ICC/IF, Mouse)

Roy S, Saha S, Gupta P et al. Crosstalk of PD-1 signaling with SIRT1/FOXO-1 axis in progression of visceral leishmaniasis *J. Cell. Sci.* 2019-03-25 [PMID: 30910830] (In Vivo, Mouse)

Holokai L, Chakrabarti J, Broda T et al. Increased Programmed Death-Ligand 1 is an Early Epithelial Cell Response to *Helicobacter pylori* Infection *PLoS Pathog.* 2019-01-01 [PMID: 30703170] (ICC/IF, Human)

Samanta D, Park Y, Ni X et al. Chemotherapy induces enrichment of CD47+/CD73+/PDL1+ immune evasive triple-negative breast cancer cells *Proc. Natl. Acad. Sci. U.S.A.* 2018-01-24 [PMID: 29367423] (Mouse, Human)

Details:

This citation used the Alexa Fluor 488 form of this antibody

Sheng H, Wang Y, Jin Y et al. A critical role of IFN γ in priming MSC-mediated suppression of T cell proliferation through up-regulation of B7-H1 *Cell Res* 2008-08-01 [PMID: 18607390]

Details:

This citation used the Biotin version of this antibody.

Tsushima F, Iwai H, Otsuki N et al. Preferential contribution of B7-H1 to programmed death-1-mediated regulation of hapten-specific allergic inflammatory responses *Eur J Immunol* 2003-10-01 [PMID: 14515261]

Details:

This citation used the Biotin version of this antibody.



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Products Related to NBP1-43262-0.1mg

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-31382	Rat IgG2a Lambda Isotype Control (RG2aL)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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