

Product Datasheet

Oval Cell Marker Antibody (MIC1-1C3) - BSA Free NBP1-18961

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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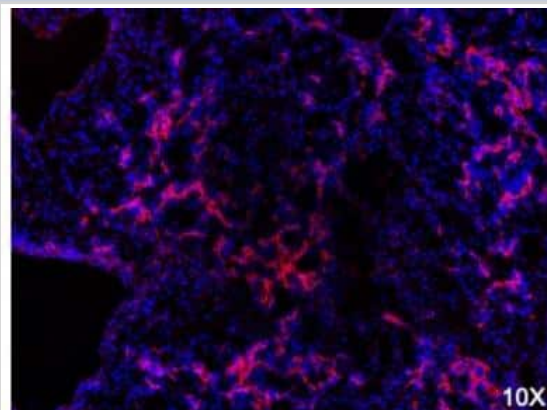


NBP1-18961**Oval Cell Marker Antibody (MIC1-1C3) - BSA Free**

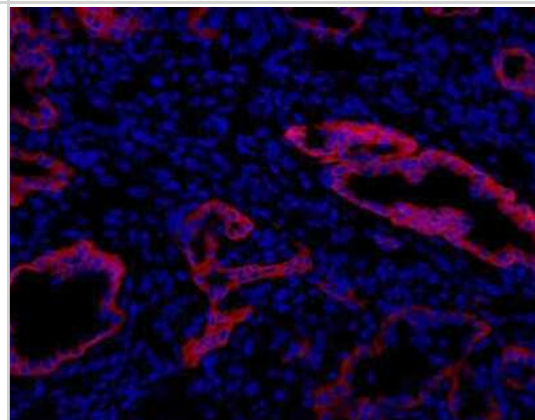
Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	MIC1-1C3
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein G purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Rat Oval Cell Marker Antibody (MIC1-1C3) - BSA Free (NBP1-18961) is a monoclonal antibody validated for use in IHC, Flow and ICC/IF. Anti-Oval Cell Marker Antibody: Cited in 12 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rat
Species	Human, Mouse
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 30236451).
Marker	Hepatic periductal cell Marker
Specificity/Sensitivity	Specific for hepatic proliferating duct cells.
Immunogen	Nonparenchymal cells from DDC-treated mice
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, CyTOF-ready
Recommended Dilutions	Flow Cytometry 1:50 - 1:100, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence reported in scientific literature, Immunohistochemistry-Paraffin reported in scientific literature, Immunohistochemistry-Frozen 1:100, CyTOF-ready
Application Notes	This Oval Cell Marker (MIC1-1C3) antibody is useful for Immunohistochemistry on acetone fixed frozen sections and Flow cytometry. This antibody is CyTOF ready.

Images

Immunohistochemistry-Frozen: Oval Cell Marker Antibody (MIC1-1C3) [NBP1-18961] - Ductular reaction in injured mouse liver. MIC1-1C3 (red) and DAPI (blue). IHC-Fr image submitted by a verified customer review.



Immunohistochemistry: Oval Cell Marker Antibody (MIC1-1C3) [NBP1-18961] - Analysis of DDC treated mouse liver.



Publications

Krishnan, A;Ozturk, NB;Cutshaw, KA;Guicciardi, ME;Kitagataya, T;Olson, KE;Pavelko, KD;Sherman, W;Wixom, AQ;Jalan-Sakrikar, N;Baez-Faria, M;Gutierrez, F;Gores, GJ; Tumor necrosis factor-related apoptosis-inducing ligand (TRAIL) deletion in myeloid cells augments cholestatic liver injury *Scientific reports* 2024-01-25 [PMID: 38273071]

Tao Q, Ji H, Zhou Y et al. HDAC3 controls liver homeostasis more by facilitating DNA damage repair than by regulating transcription in hepatocytes *Laboratory investigation; a journal of technical methods and pathology* 2023-02-17 [PMID: 36801398] (IHC-P, Mouse)

Dorrell C, Tarlow B et al. The organoid-initiating cells in mouse pancreas and liver are phenotypically and functionally similar. *Stem Cell Res* 2014-01-09 [PMID: 25151611] (FLOW, Mouse)

Beel S, Kolloch L, Apken LH et al. kappa B-Ras and Ral GTPases regulate acinar to ductal metaplasia during pancreatic adenocarcinoma development and pancreatitis *Nat Commun* 2020-07-08 [PMID: 32641778] (FLOW, Mouse)

Krishnan A, Katsumi T, Guicciardi ME et al. Tumor Necrosis Factor-Related Apoptosis-Inducing Ligand Receptor Deficiency Promotes the Ductular Reaction, Macrophage Accumulation, and Hepatic Fibrosis in the Mdr2^{-/-} Mouse *Am. J. Pathol.* 2020-03-30 [PMID: 32240619] (Mouse)

Tam PKH, Yiu RS, Lendahl U, Andersson ER. Cholangiopathies - Towards a molecular understanding. *EBioMedicine* 2018-09-01 [PMID: 30236451] (Mouse, Human)

Lu XF, Zhou YJ, Zhang L et al. Loss of Dicer1 impairs hepatocyte survival and leads to chronic inflammation and progenitor cell activation *World J. Gastroenterol.* 2015-06-07 [PMID: 26074697] (IHC-P, Mouse)

Bird TG, Lu WY, Boulter L et al. Bone marrow injection stimulates hepatic ductular reactions in the absence of injury via macrophage-mediated TWEAK signaling *Proc Natl Acad Sci U S A* 2013-04-01 [PMID: 23576749] (IHC-P, ICC/IF, Mouse)

Dorrell, C et al. Surface Markers for the Murine Oval Cell Response. *Hepatology* 48(0):1-10. 2008-01-01 [PMID: 18726953] (IHC-Fr, FLOW, Mouse)

Dorrell C, Erker L, Schug J, Kopp JL, Canaday PS, Fox AJ, Smirnova O, Duncan AW, Finegold MJ, Sander M, Kaestner KH, Grompe M. Prospective isolation of a bipotential clonogenic liver progenitor cell in adult mice. *Genes Dev.* 25(11):1193-203. doi: 10.1101/gad.2029411. 2011-06-01 [PMID: 21632826] (FLOW, Mouse)

Dorrell C, Grompe MT, Pan FC, Zhong Y, Canaday PS, Shultz LD, Greiner DL, Wright CV, Streeter PR, Grompe M. Isolation of mouse pancreatic alpha, beta, duct and acinar populations with cell surface markers. *Mol Cell Endocrinol*;339(1-2):144-50. 2011-06-06 [PMID: 21539888] (FLOW, Mouse)

Lu L, Li Y, Kim SM, Bossuyt W, Liu P, Qiu Q, Wang Y, Halder G, Finegold MJ, Lee JS, Johnson RL. Hippo signaling is a potent in vivo growth and tumor suppressor pathway in the mammalian liver. *Proc Natl Acad Sci U S A*;107(4):1437-42. 2010-01-26 [PMID: 20080689] (IHC-Fr, Mouse)



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-18961

HAF005	Goat anti-Rat IgG Secondary Antibody [HRP]
NB7115	Goat anti-Rat IgG (H+L) Secondary Antibody [HRP]
NBP2-21947-0.1mg	Rat IgG2a Isotype Control (2A3)
NBP1-18961PE	Oval Cell Marker Antibody (MIC1-1C3) [PE]

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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