

Product Datasheet

MMR/CD206/Mannose Receptor Antibody - BSA Free NBP1-90020

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-90020

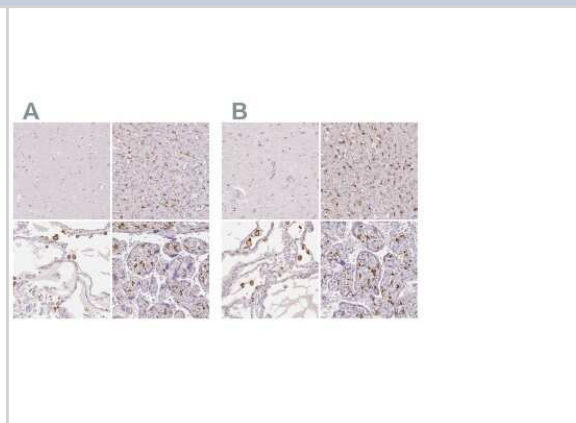
MMR/CD206/Mannose Receptor Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	4360
Gene Symbol	MRC1
Species	Human, Mouse, Porcine, Primate
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (86%). Porcine reactivity reported in scientific literature (PMID: 24048008). Mouse reactivity reported in scientific literature (PMID: 28620274). Primate reactivity reported in scientific literature (PMID: 26067369).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: NEDHKRCVDAVSPSAVQTAACNQDAESQKFRWVSESQIMSVAFKLCCLGVPSK TDWVAITLYACDSKSEFQKWECKNDTLLGIKGEDLFFNYGNRQEKNIMLYKGS GLWSRWKIYG
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Flow Cytometry Validated from a verified customer review, Immunohistochemistry 1:1000 - 1:2500, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID 28620274)., Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

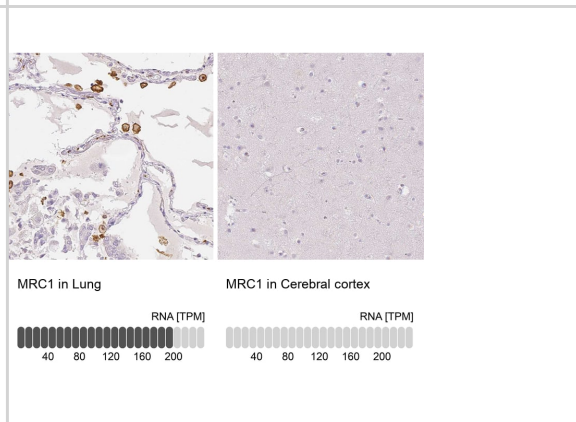


Images

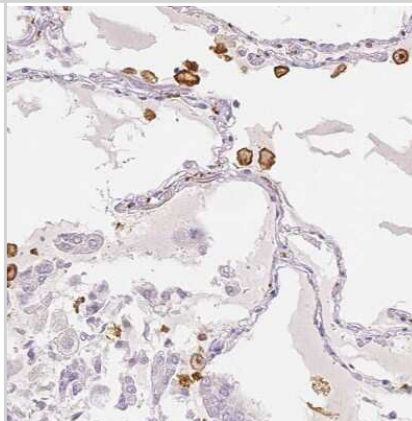
Immunohistochemistry-Paraffin: MMR/CD206/Mannose Receptor Antibody [NBP1-90020] - Staining of human cerebral cortex, liver, lung and placenta using Anti-MMR/CD206/Mannose Receptor antibody NBP1-90020 (A) shows similar protein distribution across tissues to independent antibody NBP2-33439 (B).



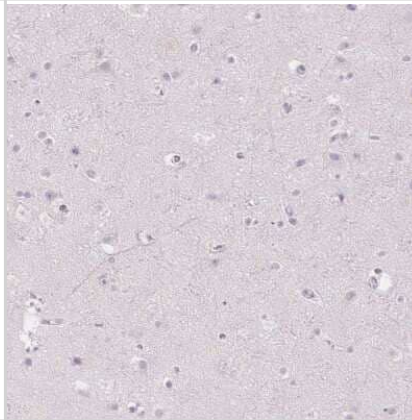
Analysis in human lung and cerebral cortex tissues using NBP1-90020 antibody. Corresponding MRC1 RNA-seq data are presented for the same tissues.



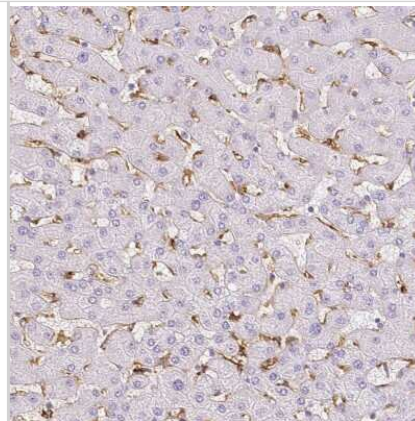
Immunohistochemistry-Paraffin: MMR/CD206/Mannose Receptor Antibody [NBP1-90020] - Staining of human lung shows moderate to strong cytoplasmic positivity in macrophages.



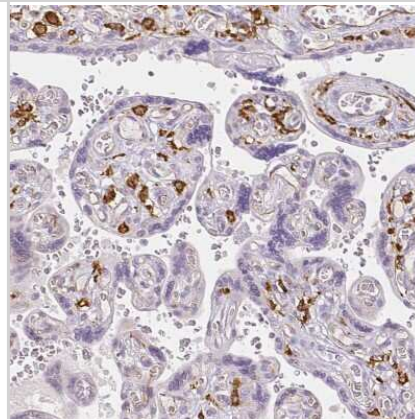
Immunohistochemistry-Paraffin: MMR/CD206/Mannose Receptor Antibody [NBP1-90020] - Staining of human cerebral cortex shows no cytoplasmic positivity in neuronal cells.



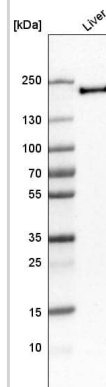
Immunohistochemistry-Paraffin: MMR/CD206/Mannose Receptor Antibody [NBP1-90020] - Staining of human liver shows moderate cytoplasmic positivity in Kupffer cells.



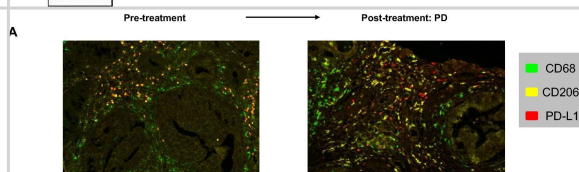
Immunohistochemistry-Paraffin: MMR/CD206/Mannose Receptor Antibody [NBP1-90020] - Staining of human placenta shows moderate to strong cytoplasmic positivity in Hofbauer cells.



Analysis in human liver tissue.



Dynamic changes of the density of the M2 macrophages according to different clinical settings. (A) Representative scans of multiplexed immunohistochemistry showing dynamic changes of CD68, CD206 and PD-L1 between pre-treatment tumor and post-treatment tumor with progressive disease. (B–E) Dynamic changes in the density in the following immune subsets according to the clinical response: (B) CD68+CD206+ M2 macrophages; (C) PD-L1+ CD68+CD206+ M2 macrophages; (D) CD68+CD206- macrophages; and (E) PD-L1+ CD68+CD206- macrophages. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/35102212>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Saadati F, Moritz J, Berner J et al. Patient-Derived Human Basal and Cutaneous Squamous Cell Carcinoma Tissues Display Apoptosis and Immunomodulation following Gas Plasma Exposure with a Certified Argon Jet International Journal of Molecular Sciences 2021-10-23 [PMID: 34768877] (Immunohistochemistry, Porcine)

Kim JH, Kim GH, Ryu YM et al. Clinical implications of the tumor microenvironment using multiplexed immunohistochemistry in patients with advanced or metastatic renal cell carcinoma treated with nivolumab plus ipilimumab Frontiers in Oncology 2022-09-27 [PMID: 36237314] (Immunohistochemistry, Porcine)

Lombardo KA, Obradovic A, Singh AK et al. BCG invokes superior STING-mediated innate immune response over radiotherapy in a carcinogen murine model of urothelial cancer The Journal of Pathology 2022-02-01 [PMID: 34731491] (Immunohistochemistry, Porcine)

Xue L, Deng T, Guo R et al. A Composite Hydrogel Containing Mesoporous Silica Nanoparticles Loaded With Artemisia argyi Extract for Improving Chronic Wound Healing Frontiers in Bioengineering and Biotechnology 2022-03-25 [PMID: 35402406] (Immunohistochemistry, Porcine)

Mou KJ, Shen KF, Li YL et al. Adenosine A2A Receptor in Bone Marrow-Derived Cells Mediated Macrophages M2 Polarization via PPAR gamma-P65 Pathway in Chronic Hypoperfusion Situation Frontiers in aging neuroscience 2022-01-03 [PMID: 35046793] (Immunohistochemistry, Porcine)

Roy R, Zayas J, Mohamed MF et al. IL-10 Dysregulation Underlies Chemokine Insufficiency, Delayed Macrophage Response, and Impaired Healing in Diabetic Wounds Journal of Investigative Dermatology 2022-03-01 [PMID: 34517005] (Immunohistochemistry, Porcine)

Dravid AA, M Dhanabalan K, Agarwal S, Agarwal R. Resolvin D1-loaded nanoliposomes promote M2 macrophage polarization and are effective in the treatment of osteoarthritis Bioengineering & Translational Medicine 2022-05-01 [PMID: 35600665] (Immunohistochemistry, Porcine)

Li X, Kempf S, Delgado Lagos F, Ukan Ü et Al. A regulatory loop involving the cytochrome P450-soluble epoxide hydrolase axis and TGF- β signaling iScience 2024-10-14 [PMID: 39398242]

Hyung J, Kim HD, Kim GH et Al. Clinical Outcomes of Small Cell Carcinoma of the Genitourinary Tract and the Prognostic Significance of the Tumor Immune Microenvironment Cancer Res Treat 2024-04-01 [PMID: 38037320]

HD Dawson, JK Lunney Porcine cluster of differentiation (CD) markers 2018 update Res. Vet. Sci., 2018-02-22;118 (0):199-246. 2018-02-22 [PMID: 29518710]

Dravid A, Dhanabalan K, Naskar S et al. Sustained release Resolvin D1 liposomes are effective in the treatment of osteoarthritis in obese mice bioRxiv 2023-01-23 [PMID: 36773024]

Liu, C;Zhou, C;Xia, W;Zhou, Y;Qiu, Y;Weng, J;Zhou, Q;Chen, W;Wang, YN;Lee, HH;Wang, SC;Kuang, M;Yu, D;Ren, N;Hung, MC; Targeting ALK averts ribonuclease 1-induced immunosuppression and enhances antitumor immunity in hepatocellular carcinoma Nature communications 2024-02-02 [PMID: 38307859]

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Products Related to NBP1-90020

NBP1-90020PEP	MMR/CD206/Mannose Receptor Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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