

Product Datasheet

Myeloperoxidase/MPO Antibody (8F4)

NBP1-51148

Unit Size: 0.025 mg

Store at 4C.

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Reviews: 2 Publications: 10

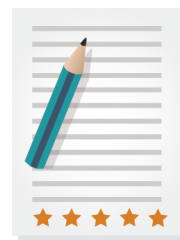
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NBP1-51148**Myeloperoxidase/MPO Antibody (8F4)**

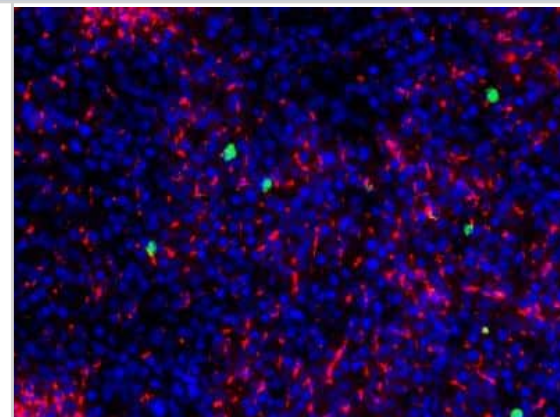
Product Information	
Unit Size	0.025 mg
Concentration	0.1 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	8F4
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS, 0.1% BSA

Product Description	
Description	Positive Control: Neutrophils isolated from digested infarcts Negative control: Lymphocytes isolated from digested infarcts
Host	Mouse
Gene ID	4353
Gene Symbol	MPO
Species	Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Purified mouse MPO from WEHI-3 cells

Product Application Details	
Applications	Flow Cytometry, Immunoassay, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Flow Cytometry 1:10 - 1:1000, Immunohistochemistry 1:10 - 1:500, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen 1:10 - 1:500, Immunoassay
Application Notes	Use in IHC-P reported in scientific literature (PMID: 26582929).

Images

Immunohistochemistry-Frozen: Myeloperoxidase/MPO Antibody (8F4) [NBP1-51148] - Frozen 8 um rat liver tissue section fixed in formalin. MPO antibody at 1:50 (green). Multiplexed with a CD68 antibody (red). DAPI staining in blue. IHC-Fr image submitted by a verified customer review.



Publications

Chiara Pavan, Anna L R Xavier, Marta Ramos, Jane Fisher, Marios Kritsilis, Adam Linder, Peter Bentzer, Maiken Nedergaard, Iben Lundgaard DNase Treatment Prevents Cerebrospinal Fluid Block in Early Experimental Pneumococcal Meningitis. *Annals of neurology* 2021-12-13 [PMID: 34397111]

Peng W, Qi H, Zhu W et al. Lianhua Qingke ameliorates lipopolysaccharide-induced lung injury by inhibiting neutrophil extracellular traps formation and pyroptosis Pulmonary circulation 2023-10-01 [PMID: 37808899] (IHC-P, Mouse)

de Oliveira AK, Pramoongjago P, Rucavado A et al. Mapping the Immune Cell Microenvironment with Spatial Profiling in Muscle Tissue Injected with the Venom of *Daboia russelii* Toxins 2023-03-10 [PMID: 36977099] (Immunohistochemistry-Paraffin, Mouse)

Zhou X, Zhang C, Wu X et al. Dusp6 deficiency attenuates neutrophil-mediated cardiac damage in the acute inflammatory phase of myocardial infarction *Nature communications* 2022-11-05 [PMID: 36335128] (IHC-P, Rat)

Details:

Dilution used in IHC-P 1:50

Kanzaki G, Nagasaka S, Higo S et al. Impact of anti-glomerular basement membrane antibodies and glomerular neutrophil activation on glomerulonephritis in experimental myeloperoxidase-antineutrophil cytoplasmic antibody vasculitis *Nephrol Dial Transplant* [PMID: 26582929] (IHC-P, Rat)

Details:

Used the FITC form of this antibody.

Nahrendorf, M et al. An activatable MR imaging agent reports myeloperoxidase activity in healing infarcts and detects the anti-inflammatory effects of atorvastatin on ischemia-reperfusion injury non-invasively. *Circulation* , 117: 1153. 2008-01-01 [PMID: 18268141]

Matthijsen, M et al. Myeloperoxidase is critically involved in the induction of organ damage after renal ischemia reperfusion. *Am J Pathol*, 171: 1743. 2007-01-01 [PMID: 18055546]

Leeuwen van, M et al. Accumulation of myeloperoxidase-positive neutrophils in atherosclerotic lesions in LDLR ^{-/-} mice. *Arterioscler Thromb Vasc Biol* , 28: 84. 2008-01-01 [PMID: 17991873]

Wang, D et al. C/EBPalpha directs monocytic commitment of primary myeloid progenitors. *Blood* , 108:1223. 2006-01-01 [PMID: 16645168]

Huugen, D et al. Aggravation of anti-myeloperoxidase antibody-induced glomerulonephritis by bacterial lipopolysaccharide: role of tumor necrosis factor-alpha. *Am J Pathol* , 167: 47. 2005-01-01 [PMID: 15972951]





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Products Related to NBP1-51148

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-38922PEP	Myeloperoxidase/MPO Recombinant Protein Antigen

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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