

# Product Datasheet

## Myeloperoxidase/MPO Antibody (2C7) [PerCP] NB100-64803PCP

Unit Size: 0.1 ml

Store at 4C in the dark.

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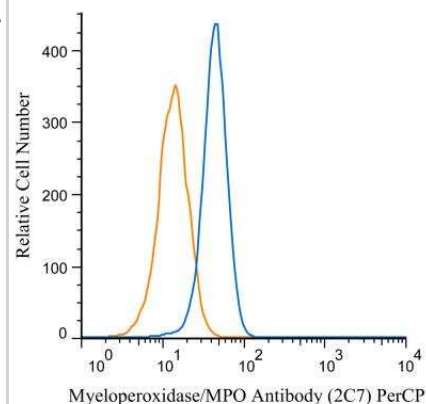
**NB100-64803PCP****Myeloperoxidase/MPO Antibody (2C7) [PerCP]**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	2C7
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Conjugate</b>	PerCP
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
<b>Host</b>	Mouse
<b>Gene ID</b>	4353
<b>Gene Symbol</b>	MPO
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	NB100-64803 recognizes human myeloperoxidase (MPO). MPO is an important component of azurophilic granules in neutrophils, being involved in microbicidal processes. The protein is a multimer of 2 heavy chains (55kD) and two light chains (15kD), the heavy chains being linked by a disulphide bond. NB100-64803 recognizes native MPO in Western blots, and the heavy chain following boiling of the sample. The antibody also recognizes recombinant MPO in Western blots and weakly in ELISA. The antibody may be of value in the study of myeloid cells and myeloid leukaemias by flow cytometry following cell permeabilisation.
<b>Immunogen</b>	Human myeloperoxidase
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen



## Images

Flow Cytometry: Myeloperoxidase/MPO Antibody (2C7) [PerCP] [NB100-64803PCP] - An intracellular stain was performed on Jurkat cells with Myeloperoxidase antibody (2C7) NB100-64803PCP (blue) and a matched isotype control NBP2-27287PCP (orange). Cells were fixed with 4% PFA and then permeablized with 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Peridinin-Chlorophyll-Protein complex.



## Publications

Li S, Lin Q, Shao X, et al. IRF5 genetic risk variants drive myeloid-specific IRF5 hyper-activation and pre-symptomatic SLE JCI Insight 2019-12-26 [PMID: 31877114] (FLOW, Human)



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### **Products Related to NB100-64803PCP**

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NBP1-97005PCP	Mouse IgG1 Isotype Control (MG1) [PerCP]
NB100-64803APC	Myeloperoxidase/MPO Antibody (2C7) [Allophycocyanin]
NBP1-87556PEP	Myeloperoxidase/MPO Recombinant Protein Antigen
210-TA-005	TNF-alpha [Unconjugated]

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### **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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