

Product Datasheet

Myeloperoxidase/MPO Antibody (A1F2) NBP2-89126

Unit Size: 100 ul

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

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NBP2-89126**Myeloperoxidase/MPO Antibody (A1F2)**

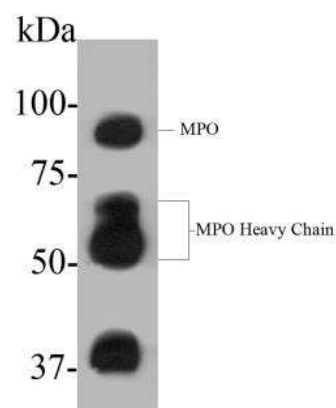
| Product Information | |
|--------------------------------|--|
| Unit Size | 100 ul |
| Concentration | 2 mg/ml |
| Storage | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | A1F2 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG1 |
| Purity | Protein G purified |
| Buffer | PBS (pH7.4), 0.2% BSA, 50% Glycerol |
| Target Molecular Weight | 67 kDa |

| Product Description | |
|----------------------------|--|
| Host | Mouse |
| Gene ID | 4353 |
| Gene Symbol | MPO |
| Species | Human |
| Immunogen | Recombinant protein within human Myeloperoxidase/MPO aa 550-745. (SwissProt: P05164 Human) |

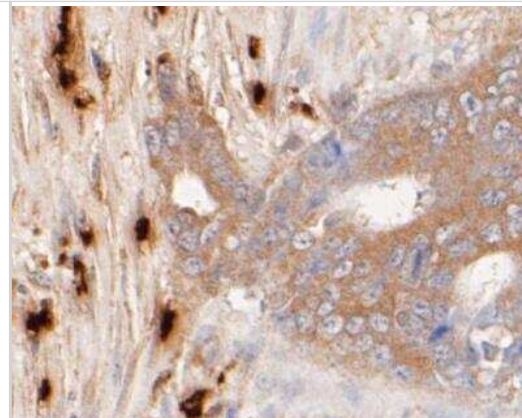
| Product Application Details | |
|------------------------------------|---|
| Applications | Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin |
| Recommended Dilutions | Western Blot 1:2000-1:5000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunohistochemistry-Paraffin 1:50-1:200 |

Images

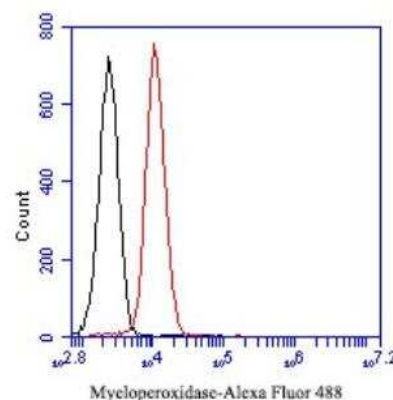
Western Blot: Myeloperoxidase/MPO Antibody (A1F2) [NBP2-89126] - Analysis of Myeloperoxidase on HL-60 lysate. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody(1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



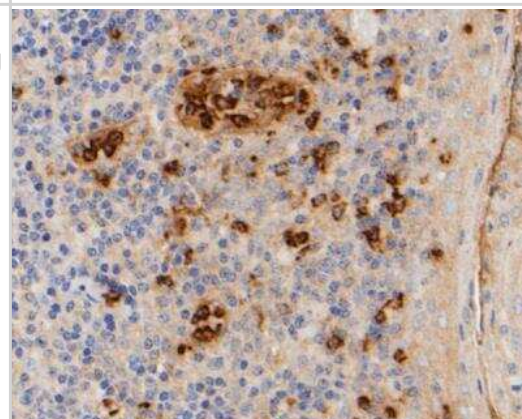
Immunohistochemistry-Paraffin: Myeloperoxidase/MPO Antibody (A1F2) [NBP2-89126] - Analysis of paraffin-embedded human colon carcinoma tissue using anti-Myeloperoxidase antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



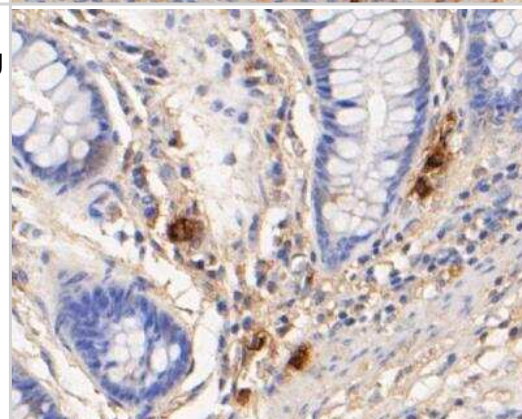
Flow Cytometry: Myeloperoxidase/MPO Antibody (A1F2) [NBP2-89126] - Analysis of Myeloperoxidase was done on HL-60 cells. The cells were fixed, permeabilized and stained with the primary antibody (1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated Goat anti-Mouse IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



Immunohistochemistry-Paraffin: Myeloperoxidase/MPO Antibody (A1F2) [NBP2-89126] - Analysis of paraffin-embedded human tonsil tissue using anti-Myeloperoxidase antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemistry-Paraffin: Myeloperoxidase/MPO Antibody (A1F2) [NBP2-89126] - Analysis of paraffin-embedded human colon tissue using anti-Myeloperoxidase antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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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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