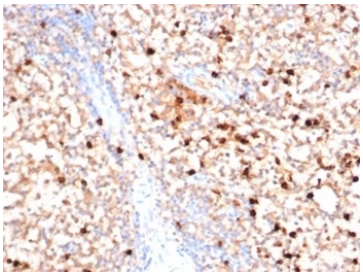
# MPO Antibody / Myeloperoxidase [clone MPO/7116] (V9331)

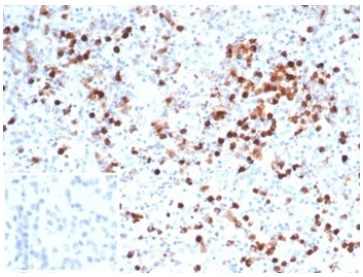
| Catalog No. | Formulation | Size |
|---|---|---|
| V9331-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9331-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V9331SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | MPO/7116 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P05164 |
| **Localization** | Cytoplasm |
| **Applications** | Immunohistochemistry (FFPE) : 1-2ug/ml |
| **Limitations** | This MPO antibody is available for research use only. |



MPO Antibody Bone Marrow IHC. Immunohistochemistry staining of FFPE human bone marrow with MPO antibody (clone MPO/7116). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



MPO Antibody Spleen IHC. Immunohistochemistry staining of FFPE human spleen tissue with MPO antibody (clone MPO/7116). Negative control inset: PBS instead of primary antibody to control for secondary binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

## Description

MPO Antibody specifically detects Myeloperoxidase, an important marker of bone marrow cells. It is one of the members of the family of heme peroxidase super existing in myeloid cells (mainly neutrophils and monocytes of aniline blue particles). With the deepening of the research on MPO, MPO gene polymorphism has been found to lead to individual for some disease susceptibility differences, with a variety of human development is closely related to the occurrence of diseases. The antibody reacts with neutrophil granulocytes and monocytes in blood and with precursors of granulocytes in the bone marrow. The antibody is useful as an aid for classification of neoplastic tissue, i.e. myeloblasts and immature myeloid cells of acute myelogenous leukemia, progranulocytic leukemia, monomyelocytic leukemia, erythroleukemia and myeloblastoma.

Explore our Myeloperoxidase Antibody / Neutrophil Marker Antibody page for additional validation data and applications involving neutrophil identification, myeloid lineage analysis, and innate immune cell detection.

## Application Notes

Optimal dilution of the MPO antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 150-250 was used as the immunogen for the MPO antibody.

## Storage

Aliquot the MPO antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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