Myeloperoxidase / MPO Antibody

Mouse Monoclonal Antibody [Clone MPO/7118]

Catalog No	Format	Size
4353-MSM8-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4353-MSM8-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4353-MSM8-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

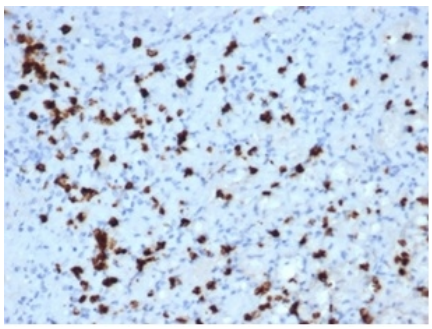
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

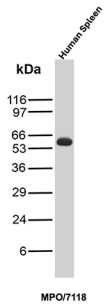
Clone	MPO/7118
Gene Name	MPO
Immunogen	Recombinant fragment of human MPO protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	heavy-light promoter: 72kDa; dimer: 140kDa
Cellular Localization	Lysosome
Species Reactivity	Human
Positive Control	Human B cell lymphoma or liver tissue. Spleen.

**Optimal dilution for a specific application should be determined.*

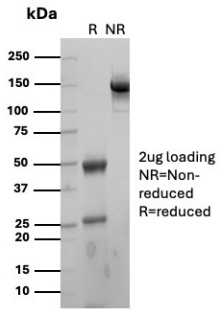
Product Images for Myeloperoxidase / MPO Antibody



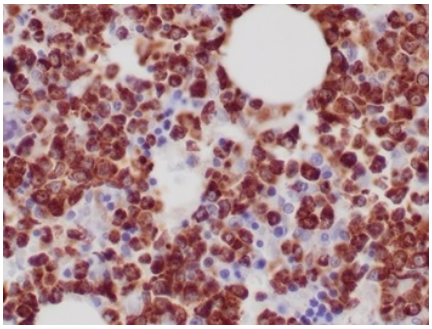
Formalin-fixed, paraffin-embedded human bone marrow stained with Myeloperoxidase Mouse Monoclonal Antibody (MPO/7118). HIER: Tris/EDTA, pH9.0, 45min. 2 °: HRP-polymer, 30min. DAB, 5min.



Western blot analysis of human spleen tissue lysate using MPO Mouse Monoclonal Antibody (MPO/7118).



SDS-PAGE Analysis of Purified MPO Mouse Monoclonal Antibody (MPO/7118) of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human bone marrow stained with Myeloperoxidase Mouse Monoclonal Antibody (MPO/7118).

Specificity & Comments

Myeloperoxidase (MPO) also called the peroxidase (POD), is 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.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Hematopoietic Stem Cells, Immunology

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.