



Myeloperoxidase(MPO) (ABT-MPO) mouse mAb

Catalog No	BYab-31205
Isotype	IgG
Reactivity	Human; Predict react with Mouse, Rat
Applications	IHC;WB;IF
Gene Name	MPO
Protein Name	Myeloperoxidase(MPO)
Immunogen	Synthesized peptide derived from human Myeloperoxidase(MPO)
Specificity	This antibody detects endogenous levels of human Myeloperoxidase(MPO). Heat-induced epitope retrieval (HIER) Citrate buffer of pH6.0 was highly recommended as antigen repair method in paraffin section
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Mouse, Monoclonal/IgG2a, Kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	Lysosome.
Tissue Specificity	Leukemia,Leukocyte,Liver,Plasma,Saliva,
Function	catalytic activity:Cl(-) + H(2)O(2) = HOCl + 2 H(2)O.,catalytic activity:Donor + H(2)O(2) = oxidized donor + 2 H(2)O.,cofactor:Binds 1 calcium ion per heterodimer.,cofactor:Binds 1 heme B (iron-protoporphyrin IX) group covalently per heterodimer.,disease:Defects in MPO are the cause of myeloperoxidase deficiency (MPD) [MIM:254600]. MPD is an autosomal recessive defect that results in disseminated candidiasis.,function:Part of the host defense system of polymorphonuclear leukocytes. It is responsible for microbicidal activity against a wide range of organisms. In the stimulated PMN, MPO catalyzes the production of hypohalous acids, primarily hypochlorous acid in physiologic situations, and other toxic intermediates that greatly enhance PMN microbicidal activity.,online information:MPO mutation db,online information:Myeloperoxidase

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entry,similarity:Belongs to the peroxidase family. XPO sub

Background

Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Nov 2014],

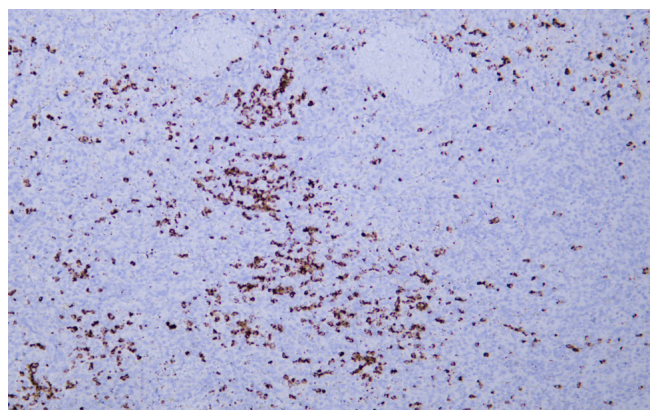
matters needing attention

Avoid repeated freezing and thawing!

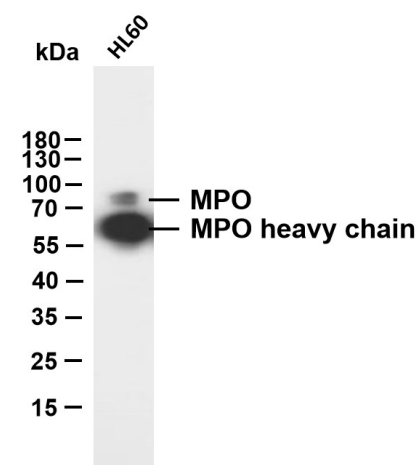
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Human spleen tissue was stained with Anti-Myeloperoxidase (ABT-MPO) Antibody



HL60 whole cell lysates were separated by 12% SDS-PAGE, and the membrane was blotted with anti-MPO(ABT-MPO)antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HL60 Predicted band size: 84kDa Observed band size: 84, 60kDa

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