



Myeloperoxidase Rabbit mAb

Catalog No	YP-rAb-17526
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	MPO
Protein Name	Myeloperoxidase(MPO)
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:500-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	
Observed Band	60,80-90kD
Calculated Molecular Weight	84kD
Cell Pathway	Cytoplasmic
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 entry,similarity:Belongs to the peroxidase family. XPO subfamily.,subunit:Tetramer of two light chains and two heavy chains.,





Background

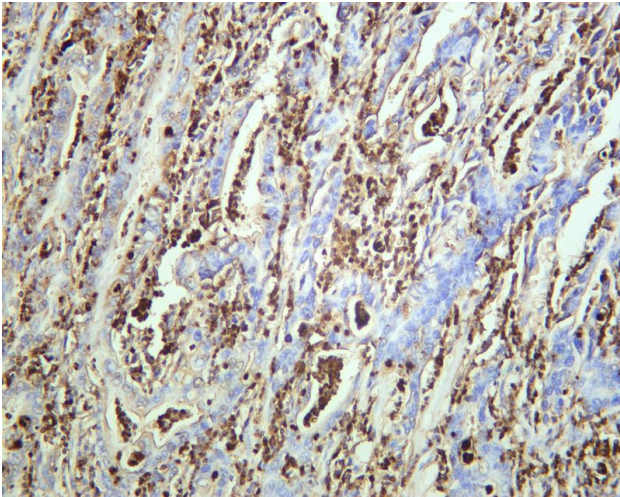
Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer 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

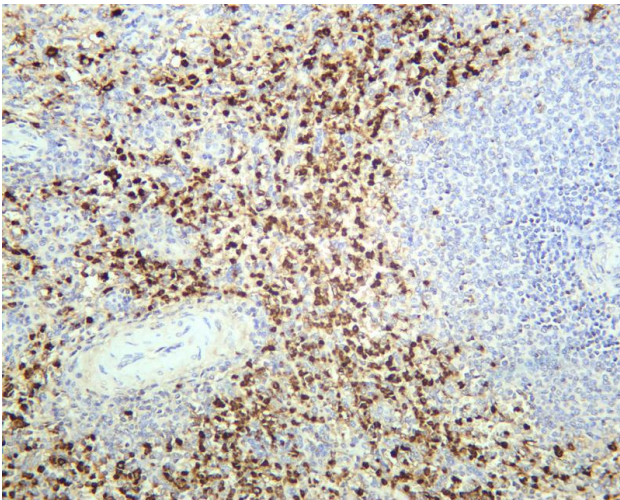
Avoid repeated freezing and thawing!

Usage suggestions

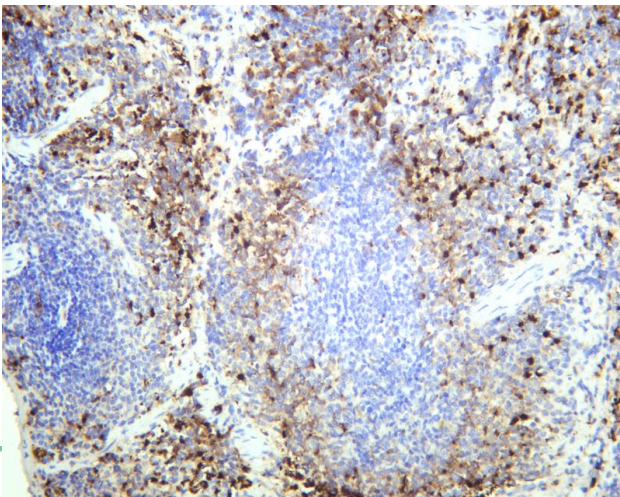
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Human gastric carcinoma was stained with anti-Myeloperoxidase rabbit antibody



Human spleen was stained with anti-Myeloperoxidase rabbit antibody



Mouse spleen was stained with anti-Myeloperoxidase rabbit antibody

热销产品:

蛋白、一抗、抗体对、ELISA试剂盒、生化试剂盒
CCK8试剂盒、QPCR检测试剂盒

检测服务:

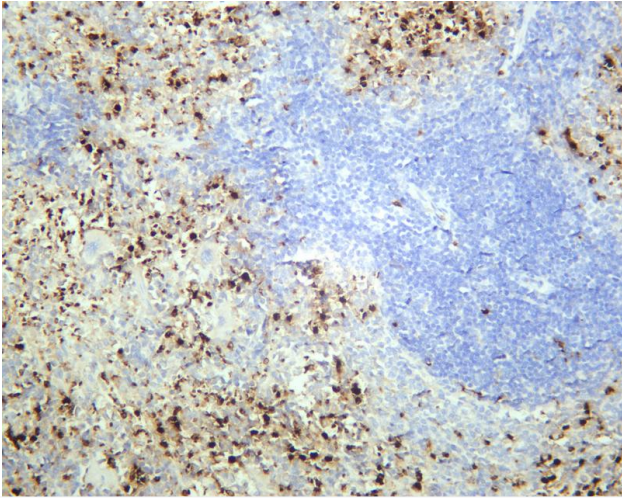
ELISA检测及定制服务 | 生化检测 | PCR、QPCR检测 | WB检测
ICO-IP检测 | 切片 | 染色 | 免疫组化 | 免疫荧光 | 透射电镜全套
| 宏基因组、转录组、基因组、蛋白组、代谢组测序



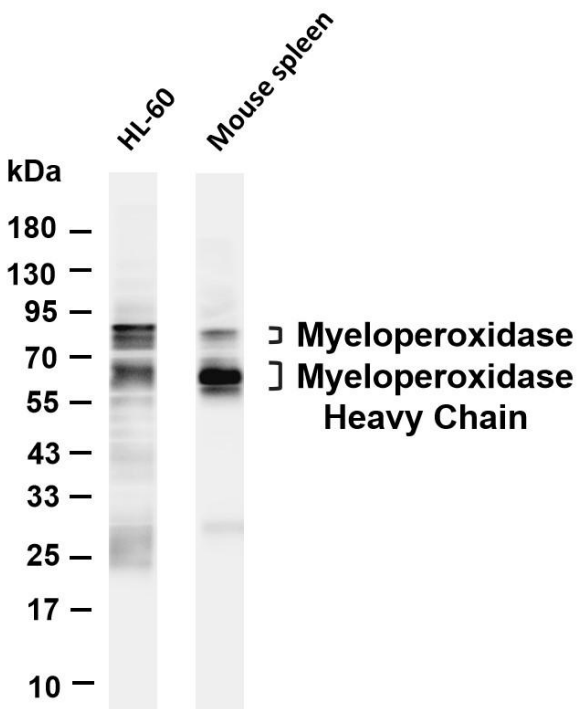
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Rat spleen was stained with anti-Myeloperoxidase rabbit antibody



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Myeloperoxidase antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HL-60 Lane 2: Mouse spleen Predicted band size: 84kDa Observed band size: 60,80-90kDa

