

# 产品说明书

## Myeloperoxidase/MPO Mouse mAb

货号: HL02249

产品名称	Myeloperoxidase/MPO Mouse mAb
来源宿主	Mouse
反应种属	Human, Mouse, Rat
克隆类型	Mouse monoclonal
克隆号	H12
同种型	IgG
标记	unconjugated
纯化方式	Protein A affinity purified.
形式	Liquid
存储溶液	PBS (pH7.4),0.05% BSA,40% Glycerol. Preservative: 0.05% Sodium Azide.
存储方式	Store at +4℃ after thawing. Aliquot store at -20℃. Avoid repeated freeze / thaw cycles.Stable for 12 months.
应用	IHC-P, mIHC,IF
使用方法	IHC-P 1:2000-1:5000; mIHC 1:2000-1:5000;IF 1:100-1:1000
有效期	one year
别名	Myeloperoxidase
免疫原	Recombinant protein within human Myeloperoxidase aa 550-745.
SwissProt	P05164
细胞定位	Lysosome.
产品介绍	<p>The heme protein myeloperoxidase (MPO) is a major component of azurophilic granules of neutrophils and polymorphonuclear leukocytes. Optimal oxygen-dependent microbiocidal activity depends on MPO as the critical enzyme for the generation of hypochlorous acid and other toxic oxygen products. The MPO precursor is synthesized during the promyelocytic stage of myeloid differentiation and is subsequently processed and transported intracellularly to the lysosomes. The precursor undergoes cotranslational N-linked glycosylation to produce a glycoprotein. Glucosidases in the endoplasmic reticulum (ER) or early cis Golgi convert the pro-MPO to a form which is sorted into a prelysosomal compartment, which undergoes final proteolytic maturation to native MPO, a pair of heavy-light protomers. In normal neutrophils, MPO is expressed as a dimer. Calreticulin, a calcium-binding protein residing in the ER, interacts specifically with fully glycosylated apopro-MPO. iMPO mRNA is abundant in human promyelocytic HL-60 and mouse myeloid leukemia NFS-60 cells. MPO is expressed at high levels in circulating neutrophils and monocytes but is not detectable in microglia, brain-specific macrophages or normal brain tissue.</p>

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