



Myeloperoxidase(MPO) (PTR2562) Mouse mAb

Catalog No	YP-mAb-18826
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MPO
Immunogen	Synthesized peptide derived from human Myeloperoxidase(MPO) AA range: 350-450
Specificity	This antibody detects endogenous levels of MPO protein.
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal,Mouse,IgG
Purification	This antibody detects endogenous levels of MPO protein.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MPO;myeloperoxidase;Myeloperoxidase (MPO);84 kDa myeloperoxidase antibody;89 kDa myeloperoxidase antibody;EC1.11.2.2 antibody;fj80f04 antibody;MPO antibody;mpx antibody;myeloid-specific peroxidase antibody; Myeloperoxidase antibody;Myeloperoxidase heavy chain antibody; Myeloperoxidase light chain antibody;PERM_HUMAN antibody;wu:fj80f04 antibody
Observed Band	60 kDa/80-90 kDa
Calculated Molecular Weight	84 kDa
Cell Pathway	Cytoplasmic
Tissue Specificity	Leukemia,Leukocyte,Liver,Plasma,Saliva
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 (PubMed:9922160). Mediates the proteolytic cleavage of alpha-1-microglobulin to form t-alpha-1-microglobulin, which potently inhibits oxidation of low-density lipoprotein particles and limits vascular damage



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

Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-MPO (PTR2562) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: HL-60 Lane 2: MDA-MB-231

