

Rabbit Anti-Myeloperoxidase (MPO) Polyclonal: RC0291

Intended Use: For Research Use Only

Description: Myeloperoxidase (MPO), a heme protein, is a major component of azurophilic granules of neutrophil granulocytes (NGs). Optimal oxygen-dependent microbicidal activity depends on MPO as the critical enzyme for the generation of hypochlorous acid and other toxic oxygen products, which are proposed to contribute to tissue damage during inflammation. MPO is a marker for myeloid cells. It may also be weakly expressed in cells of monocytic origin. It is useful for differentiating acute myelogenous leukemia from acute lymphoblastic leukemia, In addition, MPO is thought to be involved in the pathology Alzheimer's disease.

Specifications

Clone: Polyclonal
Source: Rabbit
Reactivity: Human
Isotype: IgG
Localization: Cytoplasm
Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
Myeloperoxidase (MPO) Concentrated	RC0291	1 ml

IHC Procedure*

Positive Control Tissue: Spleen, tonsil
Concentrated Dilution: 25-200
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.