

MPO

Rabbit Anti-Multispecies Myeloperoxidase Affinity Purified pAb

Catalog No. CPM107 **Quantity:** 100 µg

Description: 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, MPO is subsequently cleaved into a light and heavy chain. The mature MPO is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of Neutrophils. MPO is a peroxidase enzyme and lysosomal protein stored in azurophilic granules of the Neutrophils. Since Human MPO has a heme pigment, it causes the green color in secretions rich in neutrophils.

Gene ID: 4353

Concentration: 0.5 mg/mL

Specificity: Recognizes 60-100 kDa MPO

Host: Rabbit

Immunogen: Synthetic peptide surrounding amino acid 765 of Human MPO

Formulation: Liquid in PBS + 30% Glycerol + 0.5% BSA + 0.01% Thimerosal. Precaution: Thimerosal is a poisonous and hazardous substance which should be handled by trained staff only.

Purification: Biospecific affinity chromatography

Cross-Reactivity: Reacts with Human, Mouse, and Rat

Applications: WB: working dilution of 0.5-4 µg/mL.

The optimal concentration should be determined by the user for each specific application.

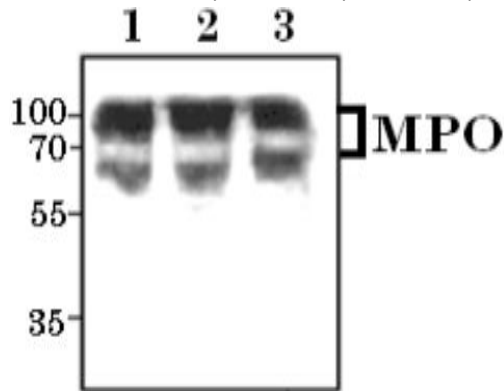
Storage & Stability: Store at -20°C or in working aliquots at -80°C for long term storage. **Avoid repeated freeze-thaw cycles.**

Also Available: CPM107BP: MPO Blocking Peptide



Western Blot analysis (WB):

MPO protein expression in Jurkat (Lanes 1, 2) and 3T3 (Lane 3) cell lysates.



NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

