

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: H87207M **Lot #:** 3H23622

Description: MAb to Myeloperoxidase
Monoclonal Antibody to Human Myeloperoxidase (MPO)

Specificity: Recognizes human myeloperoxidase (MPO). MPO is an important component of azurophilic granules in neutrophils. The protein is a multimer of 2 heavy chains (55 kD) and two light chains (15 kD), the heavy chains being linked by a disulfide bond. Recognizes native MPO in Western blots, and the heavy chain following boiling of the sample. Also recognizes recombinant MPO in Western blots and weakly in ELISA.

Host Animal: Mouse **Isotype:** IgG₁

Source: Cell Culture

Immunogen: Human Myeloperoxidase

Format: Purified, Liquid

Purification: > 95% pure. Protein A Chromatography

Concentration: 1.0 mg/mL (OD280nm)

Buffer: Phosphate Buffered Saline, pH 7.4

Preservative: 0.09% Sodium Azide

Applications: Suitable for use in Flow Cytometry following cell permeabilization (1:50–1:100), Immunohistochemistry with frozen sections (1:1,000–1:5,000) and paraffin sections (1:500–1:1,000), ELISA and Western Blot (non-reducing conditions). Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Short-term (up to 2 weeks) store at 2–8°C. Long term store at -20°C. Avoid multiple freeze/thaw cycles.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The references listed below are for research purposes only:
Audrain, M.A.P., et al., (1997), "Anti-native and recombinant myeloperoxidase monoclonals and human autoantibodies", Clin. Exp. Immunol., **107**: 127-134.

Quality Signature:



25 Aug 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY