

PRODUCT DATA SHEET

Product: Anti-MPO (Myeloperoxidase) mAb, clone 1A1

Cat. No.: MC-1035 (100 µL)

Description:

Myeloperoxidase is a major neutrophil protein and is also present in monocytes. In neutrophils, it is stored in azurophilic granules and released during phagocytosis. It is a heme enzyme that uses the superoxide and hydrogen peroxide generated by the neutrophil oxidative burst to produce hypochlorous acid and other reactive oxidants. The produced hypochlorous acid reacts with and destroys bacteria. In many inflammatory pathologies, such as cystic fibrosis and rheumatoid arthritis, neutrophils are also causing tissue damage. MPO is thought to be the most promising cardiac marker at the moment. In addition to that MPO is a good inflammatory biomarker for autoimmune, inflammatory diseases and cancer.

Immunogen:

Purified from human sputum.

Host:

Mouse

Isotype:

IgG1

Species Reactivity:

Human. Others not tested.

Format:

HEPES with 0.15M NaCl with protein stabilizer, 0.03% sodium azide and 50% glycerol

Positive Control:

HL-60 cell lysate.

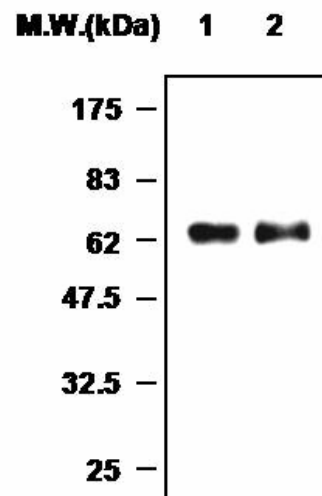
Storage:

Store at -20°C. Avoid repeated freeze/thaw cycles.

Applications:

- ELISA
- Immunoprecipitation: Use at 2 µL

The optimal dilution for a specific application should be determined by the researcher.



IMMUNOPRECIPITATION ANALYSIS of HL-60 cell lysates:
Lane 1: Input Lane 2: Precipitates
Immunoblot: anti-Myeloperoxidase antibody

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.