

[Go to Product page](#)

Datasheet for ABIN934827

Myeloperoxidase Protein (MPO)

Overview

Quantity:	100 µg
Target:	Myeloperoxidase (MPO)
Origin:	Human
Source:	Human
Protein Type:	Native
Biological Activity:	Active

Product Details

Characteristics:	<p>Purified native Human MPO protein</p> <p>Bioactivity: 180-220 units/mg after lyophilization - One unit of activity is defined as the amount of enzyme that will decompose one micromole of hydrogen peroxide per minute at 25°C, pH 6.1. Reaction mixture contains 33 mM sodium phosphate, pH 6.1, 30 mM guaiacol, and 0.0012 % (0.35 mM) hydrogen peroxide.</p> <p>Protein Source: Human neutrophils</p>
Purification:	Affinity chromatography
Purity:	> 95 % pure

Target Details

Target:	Myeloperoxidase (MPO)
Alternative Name:	MPO (MPO Products)
Background:	Myeloperoxidase is a heme protein which catalyzes oxidations by hydrogen peroxide, including

Target Details

MPO- chloride mediated killing of microbes and tumor cells, inactivation of hemotactic factors, crosslinking of proteins and inclination of proteins.

Description: Human neutrophils.

Alternative Names: Myeloperoxidase antibody

Molecular Weight: 150 kDa

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from 50 mM NaCO₃ 0.2, pH 6.0 with 100 mM NaCl.

Precaution of Use: Donor samples were tested and found to be negative for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2. Nonetheless caution should be used when handling this material as there is a margin of error in all tests.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Aliquot and store at -20 °C.
