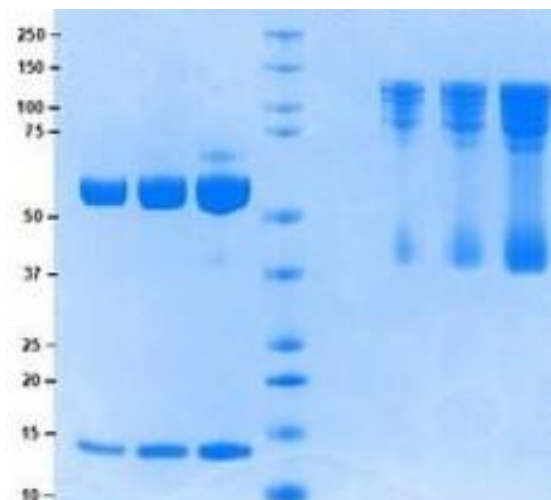


Gel Scan of Representative Lot Myeloperoxidase

ART Catalog No. 16-14-130000



SDS-PAGE

4-12% Bis-Tris gel, 1x MES

1. Myeloperoxidase 5 µg (Heated/Reduced)
2. Myeloperoxidase 10 µg (Heated/Reduced)
3. Myeloperoxidase 20 µg (Heated/Reduced)
4. Standard
5. Blank
6. Myeloperoxidase 5 µg (Not Heated/Non-Reduced)
7. Myeloperoxidase 10 µg (Not Heated/Non-Reduced)
8. Myeloperoxidase 20 µg (Not Heated/Non-Reduced)

Protein Determination:

Extinction Coefficient (E) = 1.45 (0.1% at 280 nm,
1 cm pathway)

Considerations:

Storage Conditions: ≤ -20 °C
Stability: > 1 year

Molecular Weight:

130,000 – 150,000 Da

Buffer:

Lyophilized from 50 mM sodium acetate, pH 6.0,
with 100 mM NaCl

Physical Specifications:

Form: Lyophilized
Purity: ≥ 95% by SDS-PAGE

Your Distributor

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Active Bioscience GmbH
Oberaltenallee 8
D-22081 Hamburg
HRB 98170 Amtsgericht Hamburg

Product Datasheet

Product:	Myeloperoxidase
Catalog #:	16-14-130000
Form:	Lyophilized
Available Packaging:	100 µg, 1 mg, and 10 mg. Larger aliquots are available upon request.
Buffer:	Lyophilized from 50 mM sodium acetate, pH 6.0, with 100 mM NaCl
Purity:	≥ 95% by SDS-PAGE
Activity:	> 200 units/mg protein after lyophilization. One unit is defined as the amount of enzyme that decomposes 1 µmol of hydrogen peroxide/min at 25 °C, pH 6.1. Reaction mixture contains 30 mM sodium phosphate, pH 6.1, 30 mM guaiacol, and 0.0012% (0.35 mM) hydrogen peroxide.
Molecular Weight:	130,000 – 150,000 Da
Protein Determination:	Extinction Coefficient (E) = 1.45 (0.1% at 280 nm, 1 cm pathway)
Storage/Handling:	≤ -20 °C
Stability:	> 1 year
Source:	Human Neutrophil
Testing:	Donor material is obtained from suppliers that perform a comprehensive infectious disease screening panel. This material was tested and found negative for HIV, HBV, HCV, and syphilis prior to collection. Documentation of testing is maintained and available upon request.

Product Link: <https://www.athensresearch.com/products/all/myeloperoxidase-human-neutrophil>

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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