

Myeloperoxidase, Human Neutrophil

CATALOG #:	4744-100
AMOUNT:	100 µg
SOURCE:	Human Neutrophil . Shown to be non-reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.
PURITY:	≥95% by SDS-PAGE
MOLECULAR WT:	150,000; $\epsilon_{0.1\%}$ (280 nm) = 1.45
FORM:	Lyophilized from 50 mM Na acetate, pH 6.0 with 100 mM NaCl
STORAGE:	≤ -20°C
ACTIVITY:	180-220 units per mg protein 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
RECONSTITUTION:	Deionized water
DESCRIPTION:	Myeloperoxidase (MPO) is a hemeprotein that belongs to the XPO subfamily of the heme peroxidase superfamily. This heme protein catalyzes oxidations by hydrogen peroxide, including MPO- chloride mediated killing of microbes and tumor cells, inactivation of hemotactic factors, crosslinking of proteins and inclination of proteins.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Myeloperoxidase (MPO) Polyclonal Antibody (**Cat. No. 3831-100**)
- Myeloperoxidase (MPO) Peptide (**Cat. No. 3831BP-50**)

OTHER FEATURED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- LDH-Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC & HAT Fluorometric & Colorimetric Assays & Drug Discovery Kits
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits
- SOD Assay Kit

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Metabolism Assays

- Glucose, Fructose, Galactose, Maltose & more assays
- Lactate, Pyruvate, Glycogen, Sarcosine assays
- Cholesterol, HDL/LDL, Triglyceride, CETP, PLTP assays

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit

Cytokines & Growth Factors

Monoclonal & Polyclonal Antibodies