

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.

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