MPO
Native Human Myeloperoxidase

Catalog No.	CRM132A	**Quantity:**	100 µg
	CRM132B		500 µg
	CRM132C		1.0 mg

Description: Myeloperoxidase not only has been found to be an early predictor of cardiovascular disease but myeloperoxidase (MPO) can break down carbon nanotubes into harmless water and carbon dioxide, opening the door to myriad medical devices and drug delivery systems relying on the tiny structures as reported.
Cell Sciences Native Human Myeloperoxidase (MPO) enzyme is being used in cardiac and autoimmune assays and research worldwide. Human Myeloperoxidase (MPO) enzyme deficiency is a rare hereditary deficiency of the enzyme, which predisposes to immune deficiency.
Human Myeloperoxidase (MPO)antigen is a peroxidase enzyme most abundantly present in neutrophil granulocytes (a subtype of white blood cells). Human Myeloperoxidase(MPO) is a lysosomal protein stored in azurophilic granules of the neutrophil. Human Myeloperoxidase (MPO) has a heme pigment, which causes its green color in secretions rich in neutrophils.

Concentration: 1.5 mg/ml

Gene ID: 4353

Source: Human Neutrophil

Formulation: Liquid in 50 mM Sodium Acetate, pH 6 + 0.1 M NaCl

Purity: >96% by SDS-PAGE

Biological Activity: 1070 units/mg protein. One unit is defined as the amount of Myeloperoxidase will catalyze the consumption of one micromole of hydrogen peroxide and the production of ¼ micromole of tetraguaiacol per minute at pH 7.0 and 25°C.

Storage & Stability: Store at 2-4°C.

Certification: The Donors have been tested and found to be NEGATIVE for HBsAg, HCV, HIV-1 & 2, Syphilis and HIV-1 Antigen by currently approved FDA methods.

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