

MPO Human

Description: MPO is a natural protein having a molecular mass of 150kDa containing 2 subunits each of a heavy chain with 64kDa and a light chain with 13kDa. MPO is isolated from human peripheral blood polymorphonuclear leukocytes.

Catalog #: ENPS-081

For research use only.

Synonyms: Myeloperoxidase, EC 1.11.1.7, MPO.

Source: Human peripheral blood polymorphonuclear leukocytes.

Purity: Greater than 80% as determined by SDS-PAGE.

Formulation:

MPO solution is supplied in 20mM HEPES buffer pH-7.5, 200mM NaCl and 20% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Myeloperoxidase is an important enzyme used by granulocytes during phagocytic lysis of foreign particles engulfed. In normal tissues and in a variety of myeloproliferative disorders myeloid cells of both neutrophilic and eosinophilic types, at all stages of maturation, exhibit strong cytoplasmic reactivity for MPO. Erythroid precursors, megakaryocytes, lymphoid cells, mast cells, and plasma cells are nonreactive. MPO is not observed in the neoplastic cells of a wide variety of epithelial tumors and sarcomas. MPO is useful in differentiating between myeloid and lymphoid leukemias.

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