
Product Data Sheet

Product Name: MPO Human
Cat. No.: GP21953
Batch No.: 1

Product Data

Purity	>98%	Source	Human peripheral blood polymorphonuclear leukocytes.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Myeloperoxidase; EC 1.11.1.7; MPO.		
Formulation	MPO solution is supplied in 20mM HEPES buffer pH-7.5, 200mM NaCl and 20% glycerol.		

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.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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