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Product datasheet for BA1078

Myeloperoxidase Human Protein

Product data:

Product Type:	Native Proteins
Description:	Myeloperoxidase human protein, 0.1 mg
Species:	Human
Protein Source:	Leukocytes
Concentration:	lot specific
Purity:	>95% pure (SDS-PAGE) by Column Chromatography
Buffer:	Presentation State: Purified State: Lyophilized Buffer System: 50 mM Sodium Acetate, pH 6.0 containing 100 mM Sodium Chloride
Bioactivity:	Specific: >200 units per mg protein after lyophilization. One unit is defined as the amount of enzyme that will decompose 1.0 micromole of hydrogen peroxide per minute at 25°C, pH 6.0.
Reconstitution Method:	Reconstitute with 17.1 ul distilled water
Preparation:	Lyophilized
Protein Description:	Human Neutrophil Myeloperoxidase.
Note:	Caution: All human source materials have tested negative for HIV 1 and HIV2 antibodies and non-reactive for HCV and HBc antibodies and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectous.
Storage:	Store at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: Six months from despatch.
RefSeq:	NP_000241
Locus ID:	4353
Cytogenetics:	17q22

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Summary: Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils. [provided by RefSeq, Nov 2014]

Protein Families: Druggable Genome