



Recombinant Myeloperoxidase [His] (DAG-WT1043)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Purity	> 95 % as determined by SDS-PAGE
Conjugate	His
Applications	Control
Molecular Weight	80.4 kDa
Format	Liquid
Size	1 mg
Buffer	20 mM PB, 150 mM NaCl, pH7.4
Preservative	None
Storage	Store at -20°C to -80°C

BACKGROUND

Introduction	<p>Myeloperoxidase (MPO) is a peroxidase enzyme that in humans is encoded by the MPO gene on chromosome 17. MPO is most abundantly expressed in neutrophil granulocytes (a subtype of white blood cells), and produces hypohalous acids to carry out their antimicrobial activity, including hypochlorous acid, the sodium salt of which is the chemical in bleach. It is a lysosomal protein stored in azurophilic granules of the neutrophil and released into the extracellular space during degranulation. Neutrophil myeloperoxidase has a heme pigment, which causes its green color in secretions rich in neutrophils, such as mucus and sputum. The green color contributed to its outdated name verdoperoxidase.</p>
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Keywords

Myeloperoxidase; MPO
