Product Data Sheet

Product Name: Myeloperoxidase, Human Neutrophil
Cat. No.: GC78975

Chemical Properties

Cas. No.			
Formula		M.Wt	
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Myeloperoxidase, Human Neutrophil

Background

Myeloperoxidase, Human Neutrophil is a peroxidase. Myeloperoxidase, Human Neutrophil is a potent antibacterial agent by catalyzing the H 2 O 2 -dependent oxidation of chloride anion to

Product Data Sheet

generate hypochlorous acid. Myeloperoxidase, Human Neutrophil catalyzes the degradation of N-retinyl-idene-N-retinylethanolamine, a toxic form of retinal lipofuscin. Myeloperoxidase, Human Neutrophil also triggers lysosomal stress and cell death. Myeloperoxidase, Human Neutrophil can be used for the researches of inflammation and infection [1].

References:

[1]. Yogalingam G, et al. Cellular Uptake and Delivery of Myeloperoxidase to Lysosomes Promote Lipofuscin Degradation and Lysosomal Stress in Retinal Cells. J Biol Chem. 2017 Mar 10;292(10):4255-4265.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA