

Myeloperoxidase, human white blood cells

Cat. No.:	HY-125859A	
CAS No.:	9003-99-0	
Target:	Bacterial	
Pathway:	Anti-infection	Myeloperoxidase, human white blood cells
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

BIOLOGICAL ACTIVITY

Description

Myeloperoxidase, human white blood cells (MPO) is a peroxidase. In Myeloperoxidase, human white blood cells mediate oxidative stress by promoting the production of reactive oxygen species (ROS) and active nitrogen (RNS), regulating the polarization and inflammation-related signaling pathways of microglia and neutrophils. Myeloperoxidase, human white blood cells has antibacterial activity^{[1][2]}.

REFERENCES

[1]. Chen S, et al. Targeting Myeloperoxidase (MPO) Mediated Oxidative Stress and Inflammation for Reducing Brain Ischemia Injury: Potential Application of Natural Compounds. *Front Physiol.* 2020 May 19;11:433.

[2]. Parker H, et al. Myeloperoxidase associated with neutrophil extracellular traps is active and mediates bacterial killing in the presence of hydrogen peroxide. *J Leukoc Biol.* 2012 Mar;91(3):369-76.

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

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