



# Myeloperoxidase (MPO) control (DAG-WT2500)

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

## PRODUCT INFORMATION

Conjugate	Unconjugated
Applications	Immunoassays
Format	Liquid or Lyophilized
Concentration	1200ng/mL
Size	0.5 mL, 1.0 mL
Buffer	Synthetic serum
Storage	Store at -20°C

## BACKGROUND

Introduction	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 The green color contributed to its outdated name verdoperoxidase.
Keywords	Myeloperoxidase; MPO