Catalog Number: 230-30039B



# Recombinant Human Myeloperoxidase (MPO), Biotinylated

#### Source

SpeciesHumanAccession NumberP05164Gene SymbolMPOGene ID4353

Expressed Region Ala49-Ser745

**Synonyms** Myeloperoxidase, MPO.

### **Preparation**

Expression System Human Embryonic Kidney 293 Cells

Tag

N-terminal histidine tag. The primary amino groups (-NH2) at the N-terminus and the side chains

of lysine (K) residues were biotin-conjugated using the standard chemical labeling method.

Purification His-tag affinity purification by immobilized metal ion affinity chromatography (IMAC)

Purity >95%

Purity Determined By SDS-PAGE under reducing conditions and visualized by Coomassie blue staining

Recombinant protein has a calculated molecular weight of about 82 kDa. Due to the abundant **Molecular Weight** glycosylation, it migrates as approximately 90-100 kDa protein bands in SDS-PAGE under DTT,

beta-mercaptoethanol reducing conditions.

#### **Protein Specifications**

Format Lyophilized powder, slight green

Formulation Lyophilized from a 0.2 um filtered solution in PBS

Concentration Determined by Pierce BCA protein assay kit

Preservative None

Endotoxin Level Not determined

Recommended Applications Functional Assay, Protein-protein Interaction, Post-translational Modifications, ELISA, EIA,

Western Blotting, Dot Blotting, Immunoprecipitation, Protein Array, etc.

Reconstitution

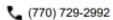
Briefly spin the vial and bring the contents to the bottom prior to opening. It is recommended to

reconstitute at 0.5 - 1 mg/mL with sterile deionized water.

### **Shipping**

Ice packs

## Storage/Stability



Upon arrival, the lyophilized protein may be stored for 2 weeks at 4°C. For long term storage, it is recommended to store desiccated below -20 °C in a manual defrost freezer. Following reconstitution, the protein may be stored for 2 weeks under sterile conditions at -20 °C. For long term storage, it is recommended to make appropriate aliquots and store at -80 °C. Avoid repeated freeze-thaw cycles.

This product is furnished for LABORATORY RESEARCH USE ONLY.

Not for diagnostic or therapeutic use.

