

## Human MPO Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0403	<b>Applications</b>	ELISA
<b>Synonyms</b>	84 kDa myeloperoxidase; Myeloperoxidase; myeloid-specific peroxidase		

### Kit components & Storage

Title	Specifications	Storage
Human MPO Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human MPO Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

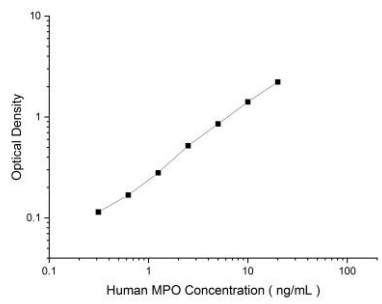
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0403)	
		Human MPO Capture Antibody	Human MPO Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human MPO protien	Recombinant Human MPO protien
	Swissprot	P05164	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human MPO in ELISAs.	

## Applications

Human MPO Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Human MPO Capture Antibody	
ELISA Detection	1:1000-1:10000	Human MPO Detection Antibody (Biotin)	

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

Myeloperoxidase (MPO) is a heme protein synthesized during myeloid differentiation that constitutes the major component of neutrophil azurophilic granules. Produced as a single chain precursor, myeloperoxidase is subsequently cleaved into a light and heavy chain. The mature myeloperoxidase is a tetramer composed of 2 light chains and 2 heavy chains. This enzyme produces hypohalous acids central to the microbicidal activity of neutrophils.