



# Magic™ Anti-MPO monoclonal antibody, clone 5C4 (DCAB-TJ227)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	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.
<b>Specificity</b>	Myeloperoxidase
<b>Immunogen</b>	Purified human MPO
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	5C4
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	> 90% pure (SDS-PAGE). Protein A chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Capture Detection DCAB- Suggested pair for testing (Capture - Detection): <a href="#">DCAB-TJ224</a> - DCAB-TJ227
<b>Format</b>	Purified, Liquid

<b>Concentration</b>	5.2 mg/mL
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Store at 2-8°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">MPO myeloperoxidase [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	MPO
<b>Synonyms</b>	MPO; myeloperoxidase; EC 1.11.2.2; Myeloperoxidase
<b>Entrez Gene ID</b>	<a href="#">4353</a>
<b>Protein Refseq</b>	<a href="#">NP_000241</a>
<b>UniProt ID</b>	<a href="#">P05164</a>
<b>Chromosome Location</b>	17q23.1
<b>Pathway</b>	C-MYB transcription factor network, organism-specific biosystem; Folate Metabolism, organism-specific biosystem; IL23-mediated signaling events, organism-specific biosystem; Phagosome, organism-specific biosystem; Phagosome, conserved biosystem; Selenium
<b>Function</b>	chromatin binding; heme binding; heparin binding; metal ion binding; peroxidase activity