

## MPO (9C5) Monoclonal Antibody

### Basic information:

<b>Catalog No.:</b>	UDA9019-2	<b>Source:</b>	Mouse
<b>Clonality:</b>	Monoclonal	<b>Isotype:</b>	IgG1
<b>Purity:</b>	>95% as determined by SDS-PAGE.		

### Useful Information:

<b>Applications:</b>	ELISA
<b>Usage:</b>	Detection antibody
<b>Specificity:</b>	Recognizes native MPO.
<b>Format:</b>	Liquid
<b>Purification:</b>	Protein A/G affinity purification from mouse ascites.
<b>Immunogen:</b>	Recombinant protein of human MPO.
<b>Presentation:</b>	PBS, pH 7.4, containing 0.03% Proclin 300
<b>Description:</b>	MPO catalyzes the reaction of hydrogen peroxide and chloride (or other halides) to produce hypochlorous acid and other potent antimicrobial oxidants. Knockout mice of MPO are impaired in clearing select microbial infections. Processing of mature MPO from an initial 80-90 kDa translation product involves insertion of a heme moiety, glycosylation, and proteolytic cleavage. The mature protein is a tetramer of two heavy chains (60 kDa) and two light chains (12 kDa). It is abundantly expressed in neutrophils and monocytes and secreted during their activation. Heightened MPO levels have been associated with tissue damage and a number of pathological conditions.
<b>Storage:</b>	Store at 4°C short term and -20°C long term. Avoid freeze-thaw cycles.
<b>Note:</b>	Test systems and platform change may cause different results, please contact us if you have any questions.  This product is sold for research use only. Standard Laboratory Practices should be followed when handling this material.