

# DMPO monoclonal antibody, clone N1664A (HRP)

Catalog # MAB11437      Size 100 ug

## Applications

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Application Data with Unconjugated Antibody

#### Immunofluorescence

Immunofluorescent staining of mouse macrophage cells with DMPO monoclonal antibody, clone N1664A (Cat # MAB11426) at 10 ug/mL.

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### Application Data with Unconjugated Antibody

#### Western Blot (Recombinant protein)

Western blot analysis of Lane 1: 10 uM Hb (Hemoglobin), Lane 2: 10 uM Hb + 100 uM HOCL, Lane 3: 10 uM Hb + 500 uM HOCL, Lane 4: 10 uM Hb + 1000 uM HOCL, Lane 5-8: as above with 20 mM DMPO, Lane 9-12: as above with 100 mM DMPO with DMPO monoclonal antibody, clone N1664A (Cat # MAB11426).

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against DMPO.
<b>Immunogen</b>	5,5-dimethyl-2-(8-octanoic acid)-1-pyrrolone-N-oxide conjugated with ovalbumin.
<b>Host</b>	Mouse
<b>Specificity</b>	Recognizes DMPO, DMPO-octanoic acid, DMPO-protein adducts and DMPO-DNA adducts. Does not cross react with non-adducted proteins or DNA.

Form	Liquid
Conjugation	HRP
Purification	Protein G purification
Isotype	IgG1
Recommend Usage	ELISA (1:100) Immunocytochemistry/Immunofluorescence (1:100) Immunoprecipitation (25 ug) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	<p>This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.</p> <p>Application Data with Unconjugated Antibody</p> <p>Immunofluorescence</p> <p>Immunofluorescent staining of mouse macrophage cells with DMPO monoclonal antibody, clone N16 64A (Cat # MAB11426) at 10 ug/mL.</p> <p>Western Blot (Recombinant protein)</p> <p>Western blot analysis of Lane 1: 10 uM Hb (Hemoglobin), Lane 2: 10 uM Hb + 100 uM HOCL, Lane 3: 10 uM Hb + 500 uM HOCL, Lane 4: 10 uM Hb + 1000 uM HOCL, Lane 5-8: as above with 20 mM DMPO, Lane 9-12: as above with 100 mM DMPO with DMPO monoclonal antibody, clone N1664A (Cat # MAB11426).</p>

## Applications

- Western Blot (Recombinant protein)
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation
- Enzyme-linked Immunoabsorbent Assay