

# DMPO monoclonal antibody, clone N1664A (ATTO 390)

Catalog # MAB11427      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	ATTO 390
Extinction Coefficient	24,000
Excitation (Max)	390 nm
Emission (Max)	479 nm
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	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. 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).

## Applications

- Western Blot (Recombinant protein)
- Immunocytochemistry
- Immunofluorescence
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay