

DMPO monoclonal antibody, clone N1664A (ATTO 594)

Catalog # MAB11430 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

Product Description	Mouse monoclonal antibody raised against DMPO.
Immunogen	5,5-dimethyl-2-(8-octanoic acid)-1-pyrrolone-N-oxide conjugated with ovalbumin.
Host	Mouse
Specificity	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 594
Extinction Coefficient	80,000
Excitation (Max)	601 nm
Emission (Max)	627 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 N16 64A (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