

## Product datasheet

# Anti-DMPO Nitron Adduct antibody [N1664A] ab104902

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### Overview

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<b>Product name</b>	Anti-DMPO Nitron Adduct antibody [N1664A]
<b>Description</b>	Mouse monoclonal [N1664A] to DMPO Nitron Adduct
<b>Host species</b>	Mouse
<b>Specificity</b>	Detects ~90kDa. Recognizes DMPO, DMPO-octanoic acid, DMPO-protein adducts and DMPO-DNA adducts. Does not cross-react with non-adducted proteins or DNA.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA, ICC/IF, IP
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	5,5-dimethyl-2-(8-octanoic acid)-1-pyrrolone-N-oxide conjugated to Ovalbumin.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), Tris buffered saline
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	N1664A
<b>Isotype</b>	IgG1

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab104902 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

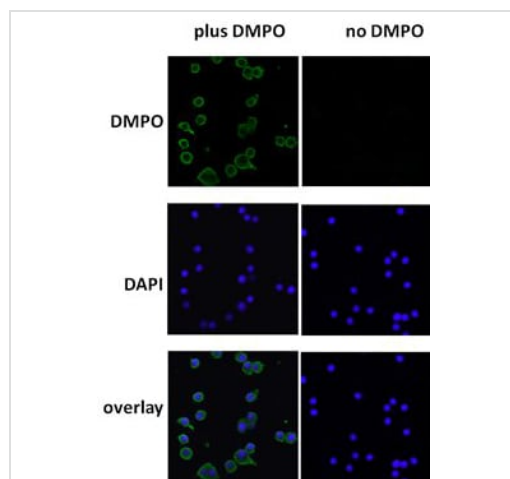
Application	Abreviews	Notes
WB		Use a concentration of 1 - 10 µg/ml.
ELISA		Use a concentration of 1 - 10 µg/ml.
ICC/IF		Use a concentration of 1 - 10 µg/ml.
IP		Use at an assay dependent dilution. Follow the method described by Chatterjee, S. <i>et. al.</i> PubMed 19049863.

## Target

### Relevance

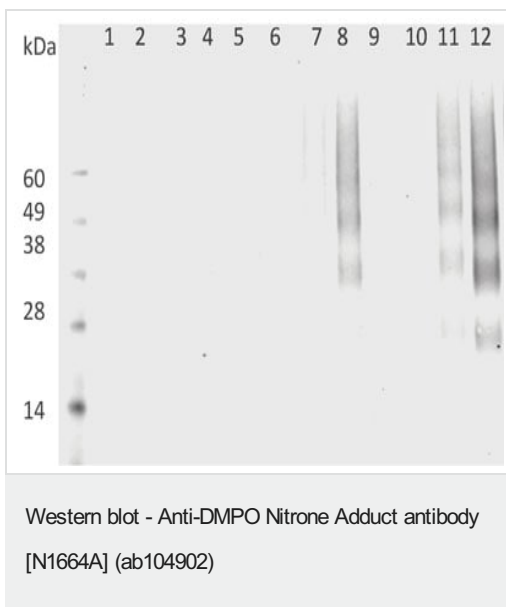
For measurement of protein radicals; some proteins with endogenous peroxidase activity are especially susceptible to forming DMPO adducts.

## Images



Immunocytochemistry/Immunofluorescence analysis of Mouse macrophage cells labelling DMPO Nitron Adduct with ab104902 at 10µg/mL. Left - with DMPO, Right - no DMPO. Top to bottom - DMPO, DAPI, overlay.

Immunocytochemistry/ Immunofluorescence - Anti-DMPO Nitron Adduct antibody [N1664A] (ab104902)



**All lanes :** Anti-DMPO Nitron Adduct antibody [N1664A] (ab104902) at 10 µg/ml

**Lane 1 :** 10µM Hb

**Lane 2 :** 10µM Hb + 100µM HOCL

**Lane 3 :** 10µM Hb + 500µM HOCL

**Lane 4 :** 10µM Hb + 1000µM HOCL

**Lane 5 :** 10µM Hb with 20mM DMPO

**Lane 6 :** 10µM Hb + 100µM HOCL with 20mM DMPO

**Lane 7 :** 10µM Hb + 500µM HOCL with 20mM DMPO

**Lane 8 :** 10µM Hb + 1000µM HOCL with 20mM DMPO

**Lane 9 :** 10µM Hb with 100mM DMPO

**Lane 10 :** 10µM Hb + 100µM HOCL with 100mM DMPO

**Lane 11 :** 10µM Hb + 500µM HOCL with 100mM DMPO

**Lane 12 :** 10µM Hb + 1000µM HOCL with 100mM DMPO

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- We investigate all quality concerns to ensure our products perform to the highest standards

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