

Product no **AS11 1632**

**Anti-DMPO | DMPO nitron adduct (clone N1664A)**

## Product information

**Immunogen** | 5,5-dimethyl-2-(8-octanoic acid)-1-pyrrolone-N-oxide conjugated to ovalbumin

**Host** | Mouse

**Clonality** | Monoclonal

**Subclass/isotype** | IgG1

**Purity** | Total IgG. Protein G purified.

**Format** | Liquid

**Quantity** | 100 µl

**Storage** | Store at -20 °C for one year, once reconstituted make aliquots to avoid repeated freeze-thaw cycles. Please remember to spin the tubes briefly prior to opening them to avoid any losses that might occur from material adhering to the cap or sides of the tube.

**Additional information** | Antibody is purified on Protein G and present in TBS pH 7.4 with 0.05 % sodium azide as preservative and 50 % glycerol.

DMPO antibody in dilution of 1: 1000 was sufficient to detect the DMPO nitron adducts of metmyoglobin when loaded at 100 ng/lane by colormetric immunoblot analysis using goat anti-mouse IgG HRP conjugated secondary antibody.

## Application information

**Recommended dilution** | 1-10 µg/ml (ELISA), 10 µg/ml (ICC), 25 µg (IP), 1-10 µg/ml (WB)

**Expected | apparent MW** | 90 kDa

**Confirmed reactivity** | DMPO (species independent)

**Predicted reactivity** | DMPO (species independent)

**Not reactive in** | No confirmed exceptions from predicted reactivity are currently known

**Additional information** | Important note for immunoprecipitation: do not link antibody to matrix prior to use as this causes large loss of reactivity to DMPO adduct

**Selected references** | [Chatterjee et al. \(2009\)](#). Immuno-spin trapping of a post-translational carboxypeptidase B1 radical formed by a dual role of xanthine oxidase and endothelial nitric oxide synthase in acute septic mice. *Free Radic. Med. and Biol.* 46:454-461.