Mouse anti-General DMPO Nitrone Adduct Monoclonal Antibody | anti-DMPO antibody

DMPO Nitrone Adduct Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA47752	**Mouse**	**General**	**Immunocytochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

DMPO Nitrone Adduct; Monoclonal Antibody; DMPO Nitrone Adduct Monoclonal Antibody; anti-DMPO antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	General
Clonality	Monoclonal
Isotype	IgG1
Clone Number	N1664A
Specificity	This antibody recognizes DMPO, DMPOoctanoicacid, DMPO-protein adducts, andDMPO-DNA adducts. It does not crossreactwith non-adducted proteins or DNA.Species independent.
Purity/Purification	Purified by Protein G affinity chromatography.
Form/Format	100ug in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide.
Applicable Applications for anti-DMPO antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Antigen	5,5-dimethyl-2-(8-octanoicacid)-1-pyrrolone-N-oxide conjugated toovalbumin.
Dilution Instruction	Dilute in PBS or medium which is identicalto that used in the assay system.
Preparation and Storage	This antibody is stable for at least one (1) year at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-DMPO antibody	Free radicals are highly reactive andgenerally short-lived species. Hence, moststudies of free radicals have beenrestricted to analysis of end productsformed following their interaction withcellular biomolecules. One technology thathas permitted direct study of free radicalsis electron spin resonance (ESR). For veryshort lived radicals, spin traps have beenemployed to generate longer lived radicalsthat are more amenable to ESR analysis.The most widely used of these spin trapsis 5,5-dimethyl-1-pyrroline-N-oxide(DMPO). The reaction of DMPO with aprotein radical gives rise to a nitroxideradical which can be disproportionate tohydrozylamine and nitrone adducts. Ofthese species, only the nitrone adduct canbe considered stable.
Product Categories/Family for anti-DMPO antibody	DNA/RNA Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	51242284
NCBI Official Full Name	DmpO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/dmpo-nitrone-adduct-antibody-clone-n1664a-immunocytochemistry-western-blot-elisa/47752