

Malondialdehyde (MDA) Antibodies

Cat # MDA11-S	Rabbit Anti-MDA antiserum # 1	SIZE: 100 ul
Cat # MDA12-S	Goat Anti-MDA antiserum # 2	SIZE: 100 ul

MDA (Malondialdehyde) is a highly reactive three carbon dialdehyde produced as a byproduct of polyunsaturated fatty acid peroxidation and arachidonic acid metabolism. MDA readily combines with several functional groups on molecules including proteins, lipoproteins, and DNA. MDA-modified proteins may show altered physico-chemical behavior and antigenicity. Antibodies to MDA will help to visualize the MDA-adducts.

Source of Antigen, Antibodies, and controls

#MDA11-S

Antigen	MDA (ADI cat # MDA51-10) was coupled with KLH
Ab Host/type	Rabbit, Polyclonal antiserum # MDA11-S
2-Ab	Cat # 20320, goat anti-rabbit IgG-HRP (AP, biotin, FITC conjugates also available).
-ve control IgG	Cat # 20009-1, Rabbit (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as -ve control

#MDA12-S

Antigen	MDA (ADI cat # MDA51-10) was coupled with KLH
Ab Host/type	Goat, Polyclonal purified IgG, purified over antigen-agarose (Cat # DNASE11-A)
2-Ab	Rabbit Anti-goat IgG-HRP conjugate Cat # 30220 (AP, biotin, FITC conjugates also available)
-ve control IgG	# 20011-1, Goat (non-immune) IgG, purified, suitable for ELISA, Western, IHC as -ve control

Form & Storage of Antibodies/Peptide Control

Antiserum (unpurified, undiluted)

100 ul/vial solution lyophilized powder
contains 0.05% sodium azide

Reconstitute powder in the original vol. of water

Storage

Short-term: unopened, undiluted vials for less than a week at 4oC.

Long-term: at -20C or below in suitable aliquots after reconstitution. Do not freeze and thaw and store working, diluted solutions.

Stability: 6-12 months at -20oC or below.

Shipping: 4oC for solutions and room temp for powder.

Recommended Usage

It is recommended that researchers tests the antiserum, and controls and determine their own optimal condition. Anti-MDA antiserum may be diluted 1:500-1K or more **Western Blotting and histochemistry** and 1K-1:10K for **ELISA (See published refs at the web site)**

General References:

1. Yahya, ND et al (1996) J. Autoimmunity 9, 3-9;
2. Lung, CC et al (1992) Life Sci. 52, 329-337;
3. Lung et al (1990) J. Immunological Methods 128, 127-132;
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Citations of for ADI Antibodies (see updated list at the web site)

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All products are for in vitro research use only.

Anti-MDA, Anti-HNE antibodies

MDA11-12-S 71214A