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Product Specification Sheet

Malondialdehyde (MDA) Antibodies and MDA Conjugate

Cat # MDA11-S	**Rabbit Anti-MDA antiserum # 1**	**SIZE**: 100 ul
Cat # MDA35-N-100	**Malondialdehyde (MDA)-BSA Conjugate positive control for Western/ELISA**	**SIZE**: 100 ug

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

#MDA35-N-100 (MDA-BSA Conjugate)

MDA was coupled to bovine serum albumin (BSA) using proprietary methods. It is supplied in PBS, pH 7.4 at 100 ug/100 ul in liquid or lyophilized in the same buffer. **Reconstitute** powder in PBS at 1 mg/ml**.** Store frozen at -20oC in aliquots.

MDA-BSA conjugate is suitable for use in ELISA (coat at 1-10 ug/ml) and detect with approporiate antibodies (#MDA11-S). It may be used for western as a positive controls but aggregagates of BSA or polymers may also be see upon long storage.

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:

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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

MDA35-N-100 120424A

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