

MDA-BSA Control Native Protein

MDA-BSA Control

CATALOG #
AAA44576

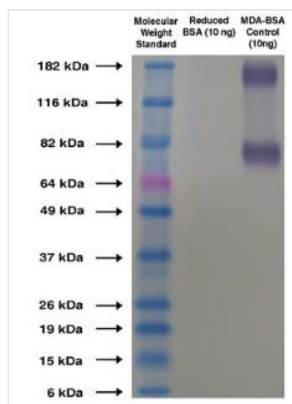
PRODUCT SYNONYMS

MDA-BSA Control; MDA-BSA Control native protein

PRODUCT SPECIFICATIONS

Methods	Dilute the MDA-BSA with SDS-PAGE reducing sample buffer to 1.0-10 ug/mL and boil for 5 minutes. Load 10 uL per lane for western blot analysis of MDA protein adducts using AAA Biotech's MDA Immunoblot Kit .
Quantity	100 uL of 1.0 mg/mL MDA-BSA in 1X PBS.
Preparation and Storage	-20 degree C. Shelf Life: 1 year from date of receipt under proper storage conditions; aliquot to avoid multiple freeze thaw cycles

IMAGES



Application Data

Immunoblotting of MDA-BSA. MDA-BSA was first electroblotted onto nitrocellulose membrane. Following the electroblotting procedure, the MDA was detected with an Rabbit anti-MDA Antibody.

ADDITIONAL INFORMATION

Related Product Information for MDA-BSA Control native protein

- Provided at 1 mg/mL in 1X PBS

Lipid peroxidation is a well-defined mechanism of cellular damage in animals and plants. Lipid peroxides are unstable indicators of oxidative stress in cells that decompose to form more complex and reactive compounds such as Malondialdehyde (MDA) and 4-hydroxynonenal (4-HNE), natural bi-products of lipid peroxidation. Oxidative modification of lipids can be induced in vitro by a wide array of pro-oxidant agents and occurs in vivo during aging and in certain disease conditions. Measuring the end products of lipid peroxidation is one of the most widely accepted assays for oxidative damage. These aldehydic secondary products of lipid peroxidation are generally accepted markers of oxidative stress.

Both MDA and HNE have been shown to be capable of binding to proteins and forming stable adducts, also termed advanced lipid peroxidation end products. These modifications of proteins by MDA or HNE can cause both structural and functional changes of oxidized proteins.

Product Categories/Family for MDA-BSA Control native protein	Oxidative Stress/Damage ; Lipid Peroxidation ; MDA (Malondialdehyde) Assays and Reagents
References	1. Bourdel-Marchasson, I. et al. 2001. Age Aging 30, 235. 2. Kinalski, M., et al. 2000. Acta Diabetol. 37, 179. Joseph, K. et al. (2013). Oxidative Stress Sensitizes Retinal Pigmented Epithelial (RPE) Cells to Complement-mediated Injury in a Natural Antibody-, Lectin Pathway-, and Phospholipid Epitope-dependent Manner. J. Biol. Chem. 288: 12753-12765.

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/native-protein/mda-bsa-control/44576>