Mouse anti-ALL Malondialdehyde Monoclonal Antibody | anti-MDA antibody

Malondialdehyde Antibody, Clone 11E3: ATTO 488

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA104078	**Mouse**	**ALL**	**Immunofluorescence, Immunocytochemistry, Immunohistochemistry**

PRODUCT SYNONYMS

Malondialdehyde; Monoclonal Antibody; Malondialdehyde Antibody; Clone 11E3: ATTO 488; Mouse Anti-Malondialdehyde (MDA) Monoclonal IgG1; Malondialdehyde Antibody: ATTO 488; MDA Antibody; Malondialdehyde (MDA) Antibody; Malonic aldehyde Antibody Propanedial Antibody; 1; 3-Propanedial Antibody; Malonaldehyde Antibody; anti-MDA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	ALL
Clonality	Monoclonal
Isotype	IgG1
Clone Number	11E3
Specificity	Specific for Malondialdehyde conjugated proteins. Does not detect free Malondialdehyde. Does not cross-react with Acrolein, Crotonaldehyde, Hexanoyl Lysine, 4-Hydroxy-2-hexenal, 4-Hydroxy nonenal, or Methylglyoxal modified proteins.
Purity/Purification	Protein G Purified
Form/Format	640.91 mM DMSO, 136.36 mM Ethanolamine, 126.89 mM chlorides, 9.09 mM phosphates, 9.09 mM NaHCO3
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-MDA antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Target	Malondialdehyde
Immunogen	Synthetic Malondialdehyde modified Keyhole Limpet Hemocyanin (KLH).
Conjugate	ATTO 488
Research Area	Alzheimer's Disease, Cancer, Lipid peroxidation, Neurodegeneration, Neuroscience, Oxidative Stress
Preparation and Storage	Aliquot and store at 4 degree C. Avoid freeze/thaw cycles

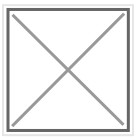
IMAGES



WB (Western Blot)
Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Malondialdehyde protein using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 11E3. Lane 1: Molecular Weight Ladder (MW). Lane 2: HeLa cell lysate. Lane 3: H2O2 treated HeLa cell lysate. Load: 12 ug. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Malondialdehyde Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT.



WB (Western Blot)
Western Blot analysis of Malondialdehyde-BSA Conjugate showing detection of 67 kDa Malondialdehyde protein using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 11E3. Lane 1: Molecular Weight Ladder (MW). Lane 2: Malondialdehyde-BSA (0.5 ug). Lane 3: Malondialdehyde-BSA (2.0 ug). Lane 4: BSA (0.5 ug). Lane 5: BSA (2.0 ug) . Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Malondialdehyde Monoclonal Antibody at 1:1000 for 2 hours at RT. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:2000 for 60 min at RT. Color Development: ECL solution for 5 min in RT. Predicted/Observed Size: 67 kDa.



ICC (Immunocytochemistry)
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 11E3. Tissue: Embryonic kidney epithelial cell line (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Malondialdehyde Monoclonal Antibody at 1:50 for 30-60 min at RT. Secondary Antibody: Goat Anti-Mouse Alexa Fluor 488 at 1:1500 for 30-60 min at RT. Counterstain: Phalloidin Alexa Fluor 633 F-Actin stain; DAPI (blue) nuclear stain at 1:250, 1:50000 for 30-60 min at RT. Magnification: 20X (2X Zoom). (A,C,E,G) - Untreated. (B,D,F,H) - Cells cultured overnight with 50 uM H2O2. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alex Fluor 633 F-Actin stain. (E,F) Malondialdehyde Antibody. (G,H) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.

ADDITIONAL INFORMATION

Product Categories/Family for anti-MDA antibody	Antibodies; Cancer; Oxidative Stress; Lipid peroxidation; Neuroscience; Neurodegeneration; Alzheimer's Disease

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/malondialdehyde-antibody-clone-11e3-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/104078