

Datasheet for ABIN5067345

anti-Malondialdehyde antibody (Atto 488)





Overview

Quantity:	100 μg
Target:	Malondialdehyde (MDA)
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Malondialdehyde antibody is conjugated to Atto 488
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS), Immunofluorescence (IF)

Product Details

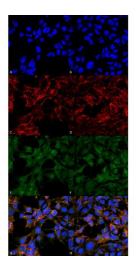
Immunogen:	Synthetic Malondialdehyde modified Keyhole Limpet Hemocyanin (KLH).
Clone:	6H6
Isotype:	lgG1
Specificity:	Specific for MDA conjugated proteins. Does not detect free MDA. Does not cross-react with Acrolein, Crotonaldehyde, Hexanoyl Lysine, 4-HHE, 4-HNE, or Methylglyoxal modified proteins.
Purification:	Protein G Purified

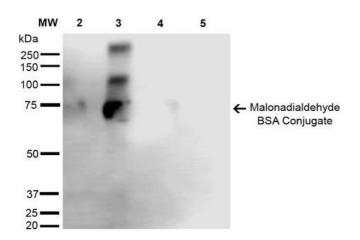
Target Details

Target:	Malondialdehyde (MDA)
Alternative Name:	Malondialdehyde (MDA Products)

Target Details

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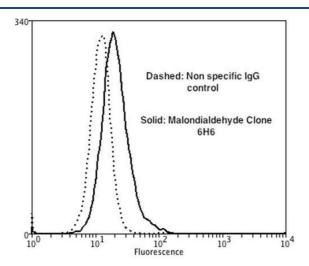


Immunofluorescence (fixed cells)

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 6H6 . Tissue: Embryonic kidney cells (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 μM 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.

Western Blotting

Image 2. Western Blot analysis of Malondialdehyde-BSA Conjugate showing detection of 67 kDa Malondialdehyde - BSA using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 6H6. Lane 1: Molecular Weight Ladder (MW). Lane 2: Malondialdehyde-BSA (0.5 μg). Lane 3: Malondialdehyde-BSA (2.0 μg). Lane 4: BSA (0.5 μg). Lane 5: BSA (2.0 μg). 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.



Flow Cytometry

Image 3. Flow Cytometry analysis using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 6H6 . Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 90% Methanol. Primary Antibody: Mouse Anti-Malondialdehyde Monoclonal Antibody at 1:50 for 30 min on ice. Secondary Antibody: Goat Anti-Mouse: PE at 1:100 for 20 min at RT. Cells were subject to oxidative stress by treating with 250 μ M H2O2 for 24 hours.