Mouse Malondialdehyde Monoclonal Antibody | anti-MDA antibody

Malondialdehyde Antibody, Clone 6H6: HRP

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA104073	**Mouse**	**Species Independent**	**ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

Malondialdehyde; Monoclonal Antibody; Malondialdehyde Antibody; Clone 6H6: HRP; Mouse Anti-Malondialdehyde (MDA) Monoclonal IgG1; Malondialdehyde Antibody: HRP; MDA Antibody; Malondialdehyde (MDA) Antibody; Malonic aldehyde Antibody Propanedial Antibody; 1; 3-Propanedial Antibody; Malonaldehyde Antibody; anti-MDA antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Species Independent
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6H6
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
Concentration	1 mg/ml (varies by lot)
Applicable Applications for anti-MDA antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Target	Malondialdehyde
Immunogen	Synthetic Malondialdehyde modified Keyhole Limpet Hemocyanin (KLH).
Conjugate	HRP
Storage Buffer	PBS pH 7.4, 50% glycerol, 0.09% Sodium Azide
Preparation and Storage	Store at -20 degree C.

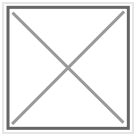
IMAGES



FCM/FACS (Flow Cytometry)
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. Isotype Control: Non Specific IgG. Cells were subject to oxidative stress by treating with 250 uM H2O2 for 24 hours.



WB (Western Blot)
Western Blot analysis of Malondialdehyde-BSA Conjugate showing detection of 67 kDa Malondialdehyde protein using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 6H6. 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 6H6. 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-6h6-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/104073