

Malondialdehyde Antibody
Malondialdehyde Antibody, Clone 11E3
Catalog # ASM10343**Specification**

Malondialdehyde Antibody - Product Information

Application	WB, ICC, E
Host	Mouse
Isotype	IgG1
Clonality	Monoclonal

Description

Mouse Anti-Malondialdehyde (MDA) Monoclonal IgG1

Target/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.

Other Names

Malondialdehyde Antibody, MDA Antibody, Malondialdehyde (MDA) Antibody, Malonic aldehyde Antibody Propanedial Antibody, 1, 3-Propanedial Antibody, Malonaldehyde Antibody

Trademark**MOLECULAR SIGNATURE®****Immunogen**

Synthetic Malondialdehyde modified Keyhole Limpet Hemocyanin (KLH).

Purification

Protein G Purified

Storage**-20°C****Storage Buffer**

PBS pH 7.4, 50% glycerol, 0.9% Sodium Azide

Shipping Temperature**Blue Ice or 4°C****Certificate of Analysis**

A 1:1000 dilution of SMC-515 was sufficient for detection of Malondialdehyde in 2 µg of Malondialdehyde conjugated to BSA by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.

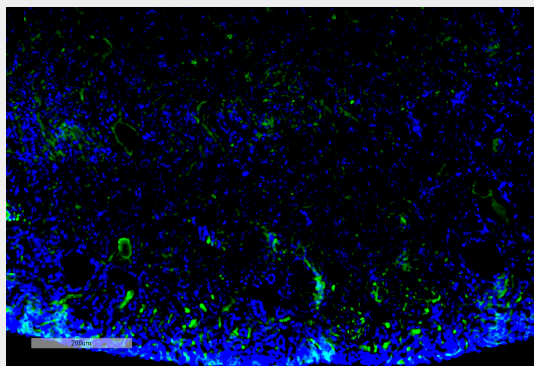
Malondialdehyde Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

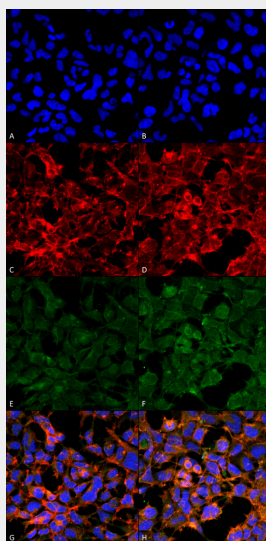
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

- [Flow Cytometry](#)
- [Cell Culture](#)

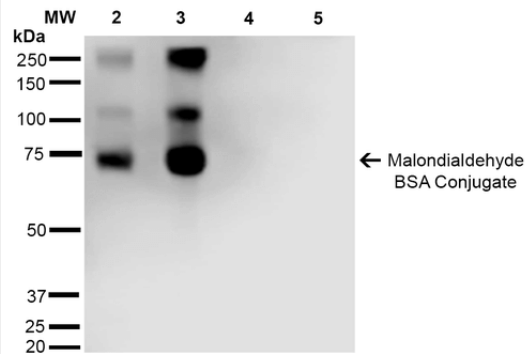
Malondialdehyde Antibody - Images



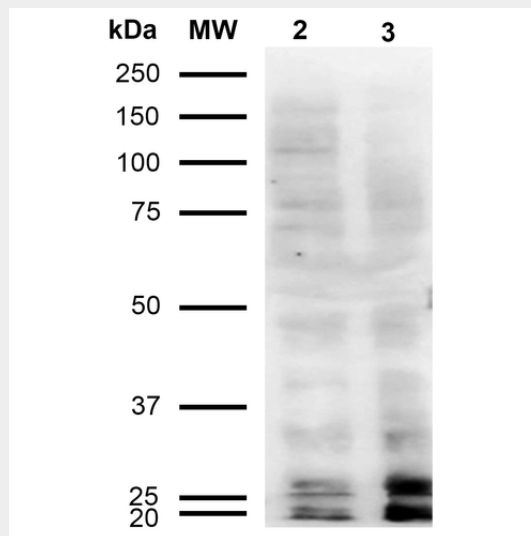
Immunohistochemistry analysis using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 11E3 (ASM10343). Tissue: Kidney. Species: Mouse. Primary Antibody: Mouse Anti-Malondialdehyde Monoclonal Antibody (ASM10343) at 1:100 for Overnight at 4C, then 30 min at 37C. Secondary Antibody: Goat Anti-Mouse IgG (H+L): FITC for 45 min at 37C. Counterstain: DAPI for 3 min at RT. Magnification: 10X.



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 11E3 (ASM10343). Tissue: Embryonic kidney epithelial cell line (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-Malondialdehyde Monoclonal Antibody (ASM10343) 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 μ M H₂O₂. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alexa Fluor 633 F-Actin stain. (E,F) Malondialdehyde Antibody. (G,H) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.



Western Blot analysis of Malondialdehyde-BSA Conjugate showing detection of 67 kDa Malondialdehyde protein using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 11E3 (ASM10343). 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 (ASM10343) 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.



Western Blot analysis of Human Cervical cancer cell line (HeLa) lysate showing detection of Malondialdehyde protein using Mouse Anti-Malondialdehyde Monoclonal Antibody, Clone 11E3 (ASM10343). Lane 1: Molecular Weight Ladder (MW). Lane 2: HeLa cell lysate. Lane 3: H2O2 treated HeLa cell lysate. Load: 12 µg. Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-Malondialdehyde Monoclonal Antibody (ASM10343) 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.