

**4-Hydroxy-2-hexenal Antibody**  
**4-Hydroxy-2-hexenal Antibody, Clone 6F10**  
**Catalog # ASM10338**

**Specification**

**4-Hydroxy-2-hexenal Antibody - Product Information**

Application **ICC/IF, WB**  
Host **Mouse**  
Isotype **IgG2b**  
Clonality **Monoclonal**

**Description**

Mouse Anti-4-Hydroxy-2-hexenal (4-HHE)  
Monoclonal IgG2b

**Target/Specificity**

Specific for 4-Hydroxy-2-hexenal (4-HHE) and 4-Hydroxynonenal (4-HNE) modified proteins. Does not detect free 4-Hydroxy-2-hexenal (4-HHE) or 4-Hydroxynonenal (4-HNE). Does not cross-react with Acrolein, Crotonaldehyde, Hexanoyl Lysine, Malondialdehyde, or Methylglyoxal modified proteins.

**Other Names**

4-Hydroxy-2-hexenal (4-HHE) Antibody, 4-Hydroxy-2-hexenal Antibody, 4-HHE Antibody, MG Antibody, MG-modified protein Antibody, 4-Hydroxy-2-hexenal-modified , 4-Hydroxy-2-hexenal Antibody, 4-hydroxy Hexenal Antibody, HHE Antibody, 4-HHE Antibody

Trademark **MOLECULAR SIGNATURE®**

**Immunogen**

Synthetic 4-Hydroxy-2-hexenal modified Keyhole Limpet Hemocyanin (KLH).

**Purification**

Protein G Purified

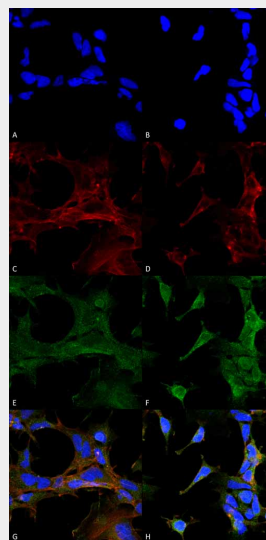
Storage **-20°C**

**Storage Buffer**

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

Shipping **Blue Ice or 4°C**  
Temperature

**Certificate of Analysis**



Immunocytochemistry/Immunofluorescence analysis using Mouse

Anti-4-Hydroxy-2-hexenal Monoclonal Antibody, Clone 6F10 (ASM10338). Tissue: Embryonic kidney cells (HEK293). Species: Human. Fixation: 5% Formaldehyde for 5 min. Primary Antibody: Mouse Anti-4-Hydroxy-2-hexenal Monoclonal Antibody (ASM10338) at 1:400 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  $\mu$ M H<sub>2</sub>O<sub>2</sub>. (A,B) DAPI (blue) nuclear stain. (C,D) Phalloidin Alex Fluor 633 F-Actin stain. (E,F) 4-Hydroxy-2-hexenal Antibody. (G,H) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.

A 1:1000 dilution of SMC-510 was sufficient for detection of 4-Hydroxy-2-hexenal in 0.5  $\mu$ g of 4-Hydroxy-2-hexenal conjugated to BSA and 4-Hydroxy nonenal conjugated to BSA by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.

#### 4-Hydroxy-2-hexenal 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](#)

