7-Ketocholesterol Antibody
7-Ketocholesterol Antibody, Clone 3F7
Catalog # ASM10341

**Specification**

- **Application**: ICC/IF, WB
- **Host**: Mouse
- **Isotype**: IgG3
- **Clonality**: Monoclonal
- **Description**: Mouse Anti-7-Ketocholesterol (7-KC) Monoclonal IgG3

**Target/Specificity**
Specific for 7-ketocholesterol modified proteins.

**Other Names**
7-Ketocholesterol [7-KC] Antibody, 7-KC Antibody, 7-ketocholesterol (7-KC) Antibody, 7KC Antibody, 7KC-Modified Keyhole-Lympet Hemocyanine Antibody, 7KC-Modified KLH Antibody

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**Clone Names**
3F7

**Immunogen**
Synthetic 7-Ketocholesterol conjugated to 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

**Certificate of Analysis**
A 1:1000 dilution of SMC-513 was sufficient for detection of 7-Ketocholesterol in 2 µg of 7-ketocholesterol conjugated to BSA by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody.

**Immunocytochemistry/Immunofluorescence analysis**
- **Tissue**: Embryonic kidney cells (HEK293).
- **Species**: Human. Fixation: 5% Formaldehde for 5 min. Primary Antibody: Mouse Anti-7-Ketocholesterol Monoclonal Antibody (ASM10341) 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) 7-Ketocholesterol Antibody. (G,H) Composite. Courtesy of: Dr. Robert Burke, University of Victoria.
Western Blot analysis of 7-Ketocholesterol-BSA Conjugate showing detection of 67 kDa
7-Ketocholesterol-BSA using Mouse Anti-7-Ketocholesterol Monoclonal Antibody, Clone 3F7 (ASM10341). Lane 1: Molecular Weight Ladder (MW). Lane 2: BSA (0.5 µg). Lane 3: BSA (2.0 µg). Lane 4: 7-ketocholesterol-BSA (0.5 µg). Lane 5: 7-ketocholesterol-BSA (2.0 µg). Block: 5% Skim Milk in TBST. Primary Antibody: Mouse Anti-7-Ketocholesterol Monoclonal Antibody (ASM10341) 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.