

# Acrolein Monoclonal Antibody (10A10), FITC

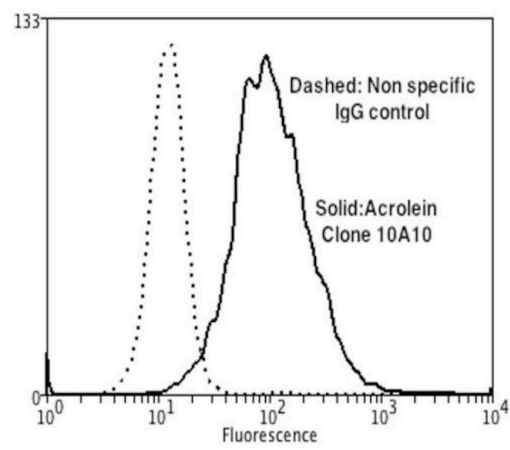
Product Details	
Size	100 µg
Species Reactivity	Chemical
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	10A10
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Immunogen	Synthetic Acrolein modified Keyhole Limpet Hemocyanin (KLH).
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	9.44mM PBS/9.1mM sodium bicarbonate, pH 7.4, with 581mM DMSO, 123mM ethanolamine
Contains	no preservative
Storage conditions	4° C, store in dark

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (IHC)	1:100	-
Immunocytochemistry (ICC/IF)	1:50	-
Flow Cytometry (Flow)	1:100	-
ELISA (ELISA)	1:1,000	-

## Product Specific Information

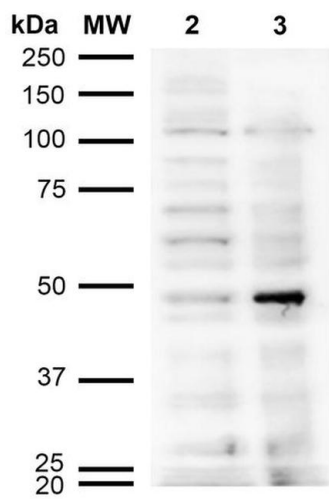
A 1:1,000 dilution of MA5-45766 was sufficient for detection of Acrolein in 2 µg of Acrolein conjugated to BSA by ECL immunoblot analysis using Goat Anti-Mouse IgG:HRP as the secondary Antibody. Specific for Acrolein modified proteins. Does not detect free acrolein. Does not cross-react with Crotonaldehyde, Hexanoyl Lysine, 4-Hydroxy-2-hexenal, 4-Hydroxy nonenal, Malondialdehyde, or Methylglyoxal modified proteins.

Product Images For Acrolein Monoclonal Antibody (10A10), FITC



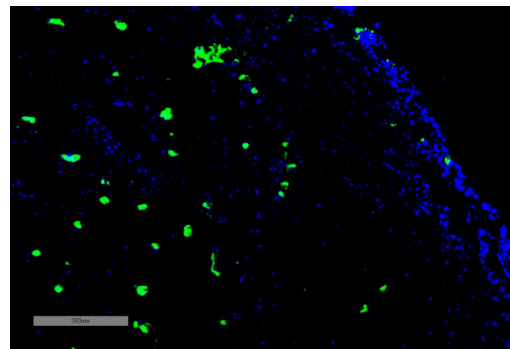
Acrolein Antibody (MA5-45766) in Flow

Flow Cytometry analysis using human neuroblastoma cells. Fixation involved 90% Methanol. Samples were incubated with Acrolein monoclonal antibody (Product # MA5-45766) at 1:50 for 30 min on ice, followed by 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 µM H2O2 for 24 hours.



Acrolein Antibody (MA5-45766) in WB

Western Blot analysis of Human Cervical cancer cells. Lane 2: HeLa cell lysate. Lane 3: H2O2 treated HeLa cell lysate. Load: 12 µg. Blocking: 5% Skim Milk in TBST. Samples were incubated with Acrolein monoclonal antibody (Product # MA5-45766) at 1:1,000 for 2 hours at RT, followed by Goat Anti-Mouse IgG: HRP at 1:2,000 for 60 min at RT. Color Development: ECL solution for 5 min in RT.



Acrolein Antibody (MA5-45766) in IHC

Immunohistochemistry analysis using Adrenal Carcinoma. Samples were incubated with Acrolein monoclonal antibody (Product # MA5-45766) at 1:100 for Overnight at 4C, then 30 min at 37C, followed by Goat Anti-Mouse IgG (H+L): FITC for 45 min at 37C. Counterstain used was DAPI for 3 min at RT. Magnification: 5X.

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