

## ARG22633 anti-Methylglyoxal antibody [9E7]

Package: 50 µg  
Store at: -20°C

### Summary

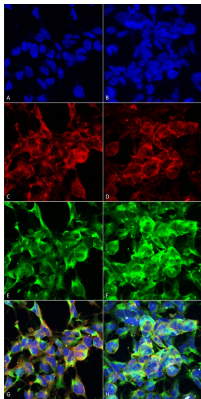
Product Description	Mouse Monoclonal antibody [9E7] recognizes Methylglyoxal
Tested Reactivity	Other
Tested Application	FACS, ICC/IF, WB
Specificity	Specific for Methylglyoxal modified proteins. Does not detect free Methylglyoxal. Does not cross-react with Acrolein, Hexanoyl Lysine, Malondialdehyd, 4-Hydroxy-2-hexenal or 4-Hydroxy nonenal.
Host	Mouse
Clonality	Monoclonal
Clone	9E7
Isotype	IgG2a
Target Name	Methylglyoxal
Species	Others
Immunogen	Synthetic Methylglyoxal modified KLH.
Conjugation	Un-conjugated

### Application Instructions

Application table	Application	Dilution
	FACS	1:50
	ICC/IF	1:50
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

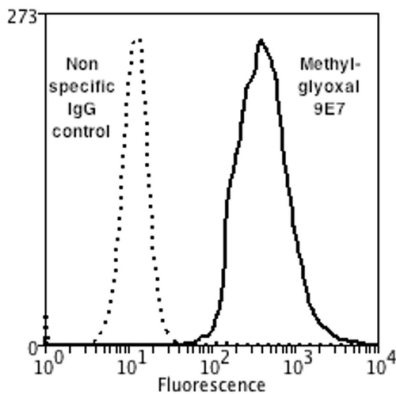
### Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.9% Sodium azide and 50% Glycerol.
Preservative	0.9% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.



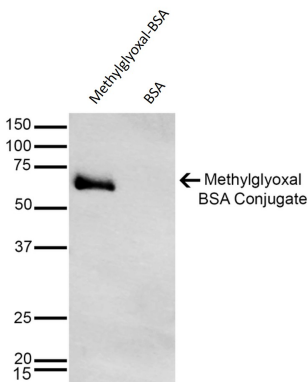
ARG22633 anti-Methylglyoxal antibody [9E7] ICC/IF image

Immunofluorescence: 5% Formaldehyde fixed (5 min) HEK293 cells stained with ARG22633 anti-Methylglyoxal antibody [9E7] 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. (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) Primary antibody. (G,H) Composite. .



ARG22633 anti-Methylglyoxal antibody [9E7] FACS image

Flow Cytometry: 90% Methanol fixed Neuroblastoma cells (SH-SY5Y) stained with ARG22633 anti-Methylglyoxal antibody [9E7] at 1:50 for 30 min on ice. Secondary Antibody: Goat anti-Mouse (PE) at 1:100 for 20 min at RT. Cells were subject to oxidative stress by treating with 250  $\mu$ M H<sub>2</sub>O<sub>2</sub> for 24 hours. Dashed line: Non specific IgG control. Solid line: Primary antibodies.



ARG22633 anti-Methylglyoxal antibody [9E7] WB image

Western blot: 0.5  $\mu$ g of Methylglyoxal-BSA and BSA stained with ARG22633 anti-Methylglyoxal antibody [9E7] at 1:1000 for 2 hours at RT.