abcam

ab243074

Anti-Methylglyoxal antibody [9F11]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Form	Liquid
Clonality	Monoclonal
Immunogen	Chemical / Small Molecule corresponding to Methylglyoxal.
Clone number	9F11
Purification technique	Affinity purification Protein G
Specificity	Specific for Methylglyoxal modified proteins. Does not detect free Methylglyoxal. Does not cross-react with Acrolein, Hexanoyl Lysine, MDA, 4-HHE, 4-HNE, or Crotonaldehyde modified proteins.
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from TCS.

Reactivity data

WB

Tested

Species	Chemical

Dilution info	1/1000
Notes	-

Flow Cyt

Tested

Species	Chemical
Dilution info	1/50
Notes	-

Target data

See full target information Methylglyoxal

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

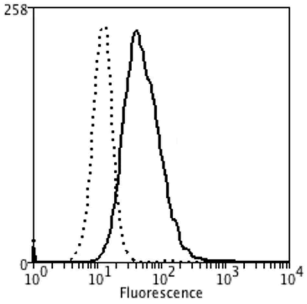
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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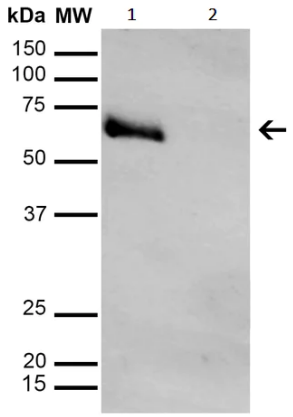
2 product images



Flow Cytometry - Anti-Methylglyoxal antibody [9F11] (ab243074)

Methylglyoxal Flow Cytometry staining using mouse Anti-Methylglyoxal antibody

Flow cytometric analysis of 90% methanol-fixed SH-SY5Y (human neuroblastoma cell line from bone marrow) cells (+ 250 µM hydrogen peroxide treatment for 24 hours) labeling Methylglyoxal with ab243074 at 1/50 dilution for 30 minutes on ice (solid line) compared with an Isotype control IgG (dashed line). A Goat Anti-Mouse: PE at 1/100 dilution was used as the secondary antibody (20 mins at RT).



Western blot - Anti-Methylglyoxal antibody [9F11] (ab243074)

Primary incubation for 2 hours at room temperature.
Secondary incubation for 1 hour at room temperature.

Block: 5% Skimmed milk in TBST.

All lanes:
Western blot - Anti-Methylglyoxal antibody [9F11] (ab243074) at 1/1000 dilution

Lane 1:
Methylglyoxal-BSA at 0.5 µg

Lane 2:
BSA at 0.5 µg

Secondary

All lanes:
Goat Anti-Mouse IgG: HRP at 1/2000 dilution

Developed using the ECL technique.

Exposure time: 5min

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.