

Anti-MGMT Antibody

Catalog Number: M01012-2

About MGMT

Involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) in DNA. Repairs alkylated guanine in DNA by stoichiometrically transferring the alkyl group at the O-6 position to a cysteine residue in the enzyme. This is a suicide reaction: the enzyme is irreversibly inactivated.

Submit a product review to Biocompare.com

[Submit a review of this product](#) to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Overview

Product Name	Anti-MGMT Antibody
Reactive Species	Human
Description	Boster Bio Anti-MGMT Antibody (Catalog # M01012-2). Tested in WB, Flow Cytometry application(s). This antibody reacts with Human.
Application	Flow Cytometry, WB
Clonality	Monoclonal 1527CT158.87.44
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P16455

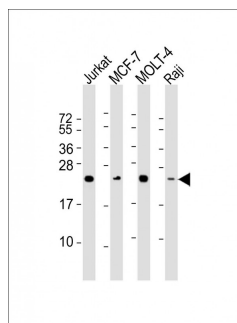
Technical Details

Immunogen	This MGMT antibody is generated from a mouse immunized with a recombinant protein.
Predicted Reactive Species	Human
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.

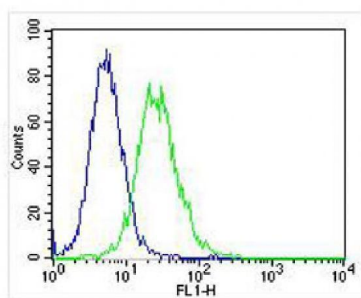
Suggested Dilutions

WB: 1:1000-1:2000
FC: 1:25

Anti-MGMT Antibody (M01012-2) Images



All lanes : Anti-MGMT Antibody at 1:1000-1:2000 dilution
Lane 1: Jurkat whole cell lysate
Lane 2: MCF-7 whole cell lysate
Lane 3: MOLT-4 whole cell lysate
Lane 4: Raji whole cell lysate
Lysates/proteins at 20 ug per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing Jurkat cells stained with M01012-2 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M01012-2, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was mouse IgG (1ug/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

Anti-MGMT Antibody

For Research Use Only. Not for use in diagnostic procedures.