BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

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.

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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

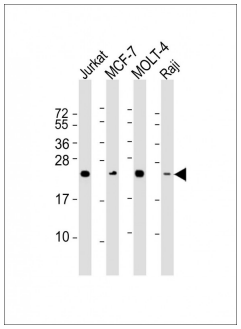
Immunogen	This MGMT antibody is generated from a mouse immunized with a recombinant protein.
Predicted Reactive Species	Human
Isotype	IgG1,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.

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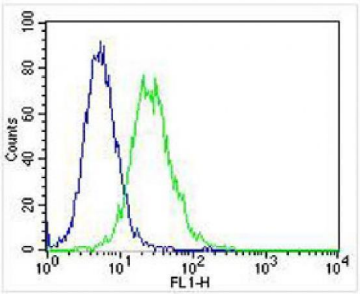
Suggested Dilutions	WB: 1:1000-1:2000 FC: 1:25 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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Anti-MGMT Antibody (M01012-2) Images



All lanes : Anti-MGMT Antibody at1:1000-1:2000 dilutionLane 1: Jurkat whole cell lysateLane 2: MCF-7 whole cell lysateLane 3: MOLT-4 whole cell lysateLane 4: Raji whole cell lysateLysates/proteins at 20 ug per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 22 kDaBlocking/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 icubated 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 37ºC. The secondary antibody used was Goat-Anti-mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/400 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was mouse IgG (1ug/1x10^6 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.