

Product Datasheet

MGMT Antibody (MT 23.2) - Azide and BSA Free NBP2-80847

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-80847

MGMT Antibody (MT 23.2) - Azide and BSA Free

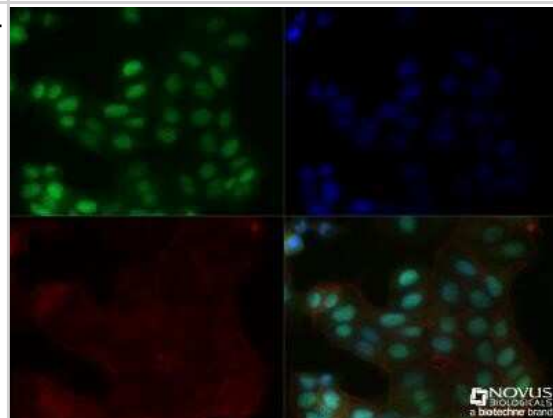
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MT 23.2
Preservative	No Preservative
Isotype	IgG2b
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	24 kDa
Product Description	
Host	Mouse
Gene ID	4255
Gene Symbol	MGMT
Species	Human, Mouse (Negative)
Reactivity Notes	This antibody is mouse reactivity negative.
Immunogen	Recombinant human MGMT (O6-methylguanine-DNA methyltransferase) purified from E. coli [UniProt# P16455]
Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Western Blot 1:1000, Simple Western 1:1000, Flow Cytometry 1-2 ug/ml, Immunohistochemistry 1:500-1000, Immunocytochemistry/ Immunofluorescence 1:500, Immunohistochemistry-Paraffin 1:500-1:1000, Flow (Intracellular), CyTOF-ready
Application Notes	<p>This MGMT (MT 23.2) antibody is useful for Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry on paraffin-embedded sections and Western Blot. In WB, a band at approx. 24 kDa can be seen. In ICC/IF, strong staining has been seen in CEM cells and no signal has been seen in TK6 cells.</p> <p>In Simple Western only 10 - 15 ul of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: antibody dilution of 1:1000. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>

Images

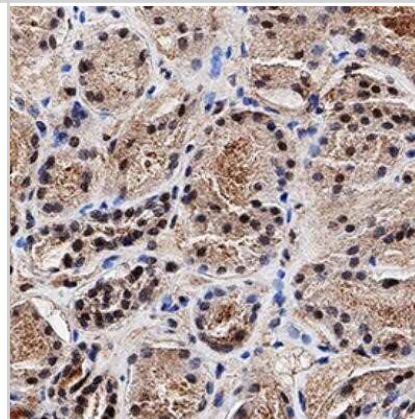
Western Blot: MGMT Antibody (MT 23.2) - Azide and BSA Free [NBP2-80847] - Detection of MGMT in MCF7 lysate using NB100-168 at 1:1000 dilution. Image from the standard format of this antibody.

250>
150>
100>
75>
50>
37>
25>
20>
15>
10>

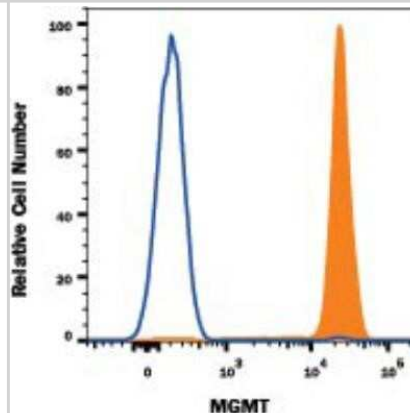
Immunocytochemistry/Immunofluorescence: MGMT Antibody (MT 23.2) - Azide and BSA Free [NBP2-80847] - MCF7 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton-X100. The cells were incubated with anti-MGMT (MT 23.2) NB100-168 at a 1:200 dilution overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was counterstained with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



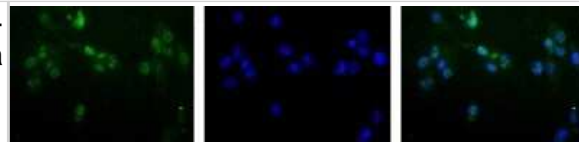
Immunohistochemistry-Paraffin: MGMT Antibody (MT 23.2) - Azide and BSA Free [NBP2-80847] - IHC analysis of a formalin fixed paraffin-embedded (FFPE) human kidney using 1:2000 conc. of MGMT antibody (clone MT 23.2) on a Bond Rx autostainer (Leica Biosystems). The assay involved 20 minutes of heat induced antigen retrieval (HIER) using 10mM sodium



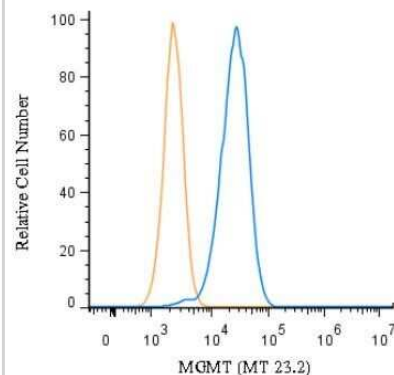
Flow Cytometry: MGMT Antibody (MT 23.2) - Azide and BSA Free [NBP2-80847] - Detection of MGMT in Human Jurkat Cell Line by Flow Cytometry. Human Jurkat cell line was stained with Mouse Anti- MGMT Monoclonal Antibody (Catalog # NB100-168, filled histogram), or Mouse IgG2B isotype control (Catalog # MAB0041, open histogram) followed by APC-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # F0101B). To facilitate intracellular staining, cells were fixed with FlowX FoxP3 Fixation & Permeabilization Buffer Kit (Catalog # FC012). Images may not be copied, printed or otherwise disseminated without express written permission of Novus Biologicals a Bio-Techne brand. Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: MGMT Antibody (MT 23.2) - Azide and BSA Free [NBP2-80847] - Detection of MGMT (Green) in HeLa cells using NB100-168 at a 1:50 dilution. Nuclei (Blue) are counterstained using Hoechst 33258. Image from the standard format of this antibody.



Flow Cytometry: MGMT Antibody (MT 23.2) - Azide and BSA Free [NBP2-80847] - An intracellular stain was performed on HeLa cells with MGMT Antibody (MT 23.2) antibody NB100-168 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by mouse F(ab)2 IgG (H+L) PE-conjugated secondary antibody (F0102B, R&D Systems). Image from the standard format of this antibody.



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Simple Western: MGMT Antibody (MT 23.2) - Azide and BSA Free [NBP2-80847] - Simple Western lane view shows a specific band for MGMT in 0.2 mg/ml of MCF-7 lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.





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Products Related to NBP2-80847

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
NBC1-18534	Recombinant Human MGMT His Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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