

## MGMT Antibody (F43302)

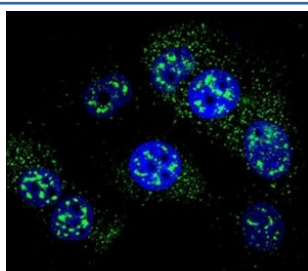
Catalog No.	Formulation	Size
F43302-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F43302-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P16455
<b>Applications</b>	Western Blot : 1:1000 Immunofluorescence : 1:10-1:50
<b>Limitations</b>	This MGMT antibody is available for research use only.



MGMT antibody western blot analysis in CEM lysate.



Confocal immunofluorescent analysis of MGMT antibody with MCF-7 cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used as a nuclear counterstain (blue).

## Description

MGMT is 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.

## Application Notes

Titration of the MGMT antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 1-30 from the human protein was used as the immunogen for this MGMT antibody.

## Storage

Aliquot the MGMT antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.