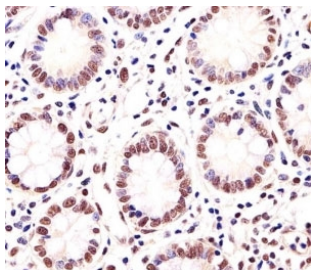


## MGMT Antibody [clone 888CT22.2.4] (F52339)

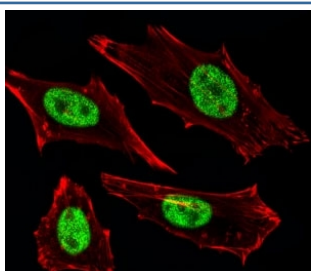
Catalog No.	Formulation	Size
F52339-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F52339-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

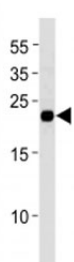
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1
<b>Clone Name</b>	888CT22.2.4
<b>Purity</b>	Purified
<b>UniProt</b>	P16455
<b>Applications</b>	IHC (Paraffin) : 1:25 Immunofluorescence : 1:25 Western Blot : 1:1000
<b>Limitations</b>	This MGMT antibody is available for research use only.



Immunohistochemical analysis of paraffin-embedded human small intestine using MGMT antibody at 1:25 dilution.



Fluorescent image of HeLa cells stained with MGMT antibody at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-mouse IgG was used as the secondary Ab (green). Cytoplasmic actin was counterstained with Alexa Fluor 555 conjugated with Phalloidin (red).



MGMT antibody western blot analysis in MCF-7 lysate

## Description

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

Purified His-tagged protein was used to produce this monoclonal MGMT antibody.

## Storage

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