

## DATASHEET

# MGMT Mouse Monoclonal Antibody (ARM633)

CAT. NO. ARM6924

### KEY FEATURES

Target	MGMT	Clone ID	ARM633
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:25-1:100
Clonality	Monoclonal	Storage	-20°C

### BACKGROUND

MGMT (O6-methylguanine-DNA methyltransferase) Involved in the cellular defense against the biological effects of O6- MeG in DNA and is transcriptionally activated in response to DNA damage and functions to repair mutagenic and cytotoxic O6-alkylguanine lesions. MGMT expression is upregulated upon ionising radiation, and high MGMT activity was associated with the presence of mutant p53.

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

Application	IHC
Dilution Ratio	1:25-1:100

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

Antibody Type	Primary antibodies
Isotype	IgG1
Positive Control	Tonsil, Brain
Localization	Nuclear
Form / Buffer	Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide
Purification	Purified
Conjugation	Unconjugated
Gene Symbol	MGMT
Entrez Gene ID	4255
Uniprot	P16455
Alternative Names	Methylated-DNA--protein-cysteine methyltransferase; 6-O-methylguanine-DNA methyltransferase; MGMT; O-6-methylguanine-DNA-alkyltransferase

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

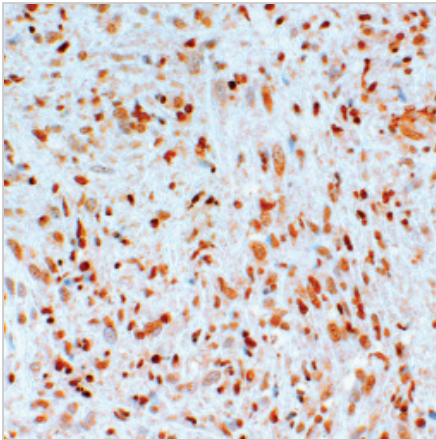
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**DATA**

Immunohistochemical staining of human brain tissue using MGMT Mouse Monoclonal Antibody (ARM633).

**RESEARCH USE ONLY**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.

More information: [www.arexbio.com / mgmt-mouse-monoclonal-antibody-arm633-arm6924](http://www.arexbio.com/mgmt-mouse-monoclonal-antibody-arm633-arm6924)