

DATASHEET

5-methylcytosine Mouse Monoclonal Antibody (ARM595)

CAT. NO. ARM6886

KEY FEATURES

Target	5-methylcytosine	Clone ID	ARM595
Source / Host	Mouse	Reactivity	Human
Applications	IHC	Dilution	1:50-1:200
Clonality	Monoclonal	Storage	-20°C

BACKGROUND

5-methylcytosine (5-mC) is formed from the DNA methylation of the 5-carbon found on the cytosine ring. A 5-methylcytosine monoclonal antibody is a useful tool in identifying and discriminating between the unmodified cytosine base (C) and the methylated cytosine base (5-mC) as part of DNA methylation studies. DNA methylation plays an important role in the repression of transcription in the genome. When present in promoter regions, 5-mC is associated with stable transcriptional silencing which results in inactivation of gene function, thereby having an important role in tumorigenesis.

APPLICATION

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

Application	IHC
Dilution Ratio	1:50-1:200

*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	Testis
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	N/A
Entrez Gene ID	N/A
Uniprot	N/A
Alternative Names	5-mC (Epigenetic DNA modification)

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

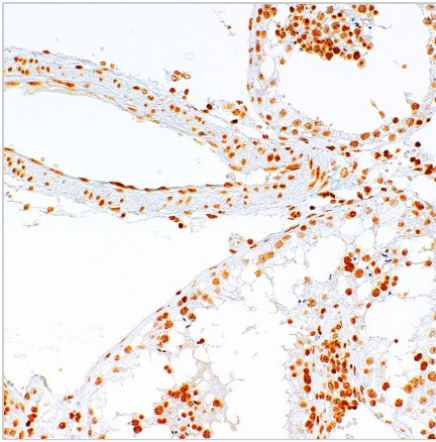
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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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 testis tissue using 5-methylcytosine Mouse Monoclonal Antibody (ARM595).

RESEARCH USE ONLY

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

More information: [www.arexbio.com / 5-methylcytosine-mouse-monoclonal-antibody-arm595-arm6886](http://www.arexbio.com/5-methylcytosine-mouse-monoclonal-antibody-arm595-arm6886)