

Anti-5-Methylcytosine Antibody

Mouse Monoclonal Antibody

Catalog # ABV12025

Product Information

Application	WB, IHC, IF, E
Reactivity	Human, Mouse, Rat
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1, Lambda
Clone Names	33D3

Additional Information

Other Names	5-mc, 5mc
Target/Specificity	5-mc
Antibody Form	Liquid
Appearance	Colorless liquid
Formulation	Phosphate Buffer 10mM - NaCl 0.15 M - pH 7.4
Handling	The antibody solution should be gently mixed before use.
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-5-Methylcytosine Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Background

5-methylcytosine (5-mC) is a modified base present in nucleic acids of plants and vertebrates. DNA methylation is a post-replicative process involved in the establishment of genomic imprinting, in the control of gene expression and of differentiation. Carcinogenesis is associated with alterations of the DNA methylation pattern: a global hypomethylation is often detected in tumor tissues when compared to their normal counterpart. Simultaneously local hypermethylation sites are observed.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.