

## DNMT3A monoclonal antibody

Catalog: MB22157

Host: Mouse

Reactivity: Human

### BackGround:

CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated. Alternative splicing results in multiple transcript variants encoding different isoforms.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

102kDa

### Swiss-Prot:

Q9Y6K1

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC:1/200 - 1/1000 FC:1/200 - 1/400

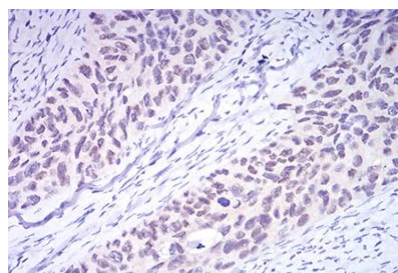
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

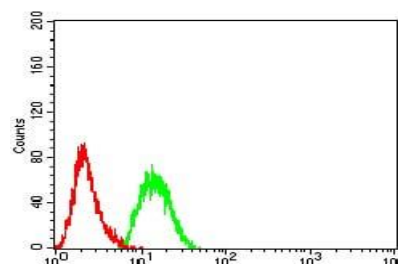
### Isotype:

Mouse IgG2a

### DATA:



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues using DNMT3A mouse mAb with DAB staining.



Flow cytometric analysis of HeLa cells using DNMT3A mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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