

5-Methylcytosine / 5-mC antibody [RM231]

Cat. No. GTX33606

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	ICC/IF, FCM, Dot, ELISA, IHC, MeDIP
Reactivity	Species independent

References (2)

Package

50 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
ICC/IF	0.5 µg/mL - 2 µg/mL
FCM	0.5 µg/mL - 2 µg/mL
Dot	0.5 µg/mL - 2 µg/mL
ELISA	0.1 µg/mL - 1 µg/mL
IHC	Assay dependent
MeDIP	0.2 µg/mL - 2 µg/mL

Note : Permeabilization : 0.5% Triton X-100

Not tested in other applications.

Product Note

This antibody reacts to 5-methylcytosine in both single-stranded and double-stranded DNA. No cross reactivity with non-methylated cytosine and hydroxymethylcytosine in DNA.

Properties

Form	Liquid
Buffer	PBS, 1% BSA, 50% Glycerol
Preservative	0.09% Sodium azide
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	Batch dependent (Please refer to the vial label for the specific concentration.)
Immunogen	BSA-conjugated 5-methylcytosine.
Purification	Protein A purified From tissue culture supernatant



For full product information, images and publications, please visit our [website](#).

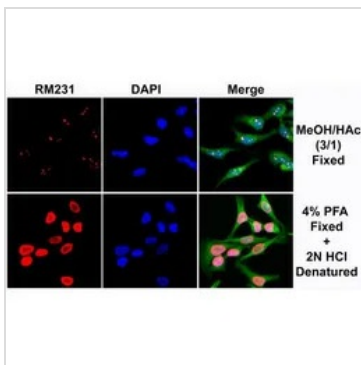
Conjugation Unconjugated

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Note

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



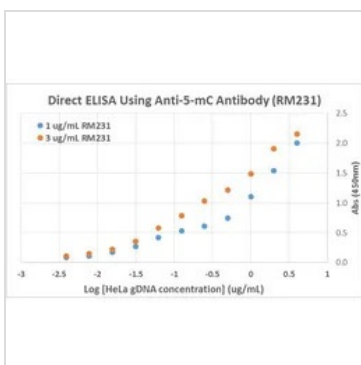
GTX33606 ICC/IF Image

ICC/IF analysis of HeLa cells using GTX33606 5-Methylcytosine / 5-mC antibody [RM231].

Red : Primary antibody

Green : Actin

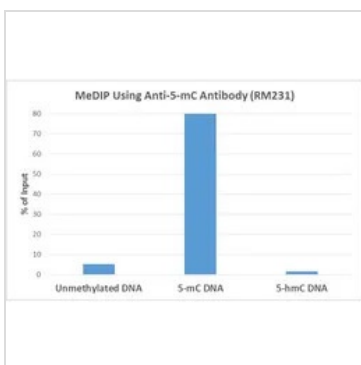
Blue : DAPI



GTX33606 ELISA Image

ELISA analysis of HeLa cell genomic DNA using GTX33606 5-Methylcytosine / 5-mC antibody [RM231].

Dilution : 1 ug/mL or 3 ug/mL of RM231 was used as the primary antibody.



GTX33606 MeDIP Image

MeDIP analysis of 1 ng of unmethylated, 5-Methylcytosine (5-mC) or 5-Hydroxymethylcytosine (5-hmC)

DNA standard (897 bp) spiked in 1ug of genomic DNA isolated from HeLa cells using GTX33606 5-

Methylcytosine / 5-mC antibody [RM231]. MeDIP was performed at a 10:1 DNA:Ab ratio. Realtime PCR was then performed to determine the capture of DNA standard as in % of input.



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