

5-Hydroxymethylcytosine / 5-hmC antibody [RM236]

Cat. No. GTX33605

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

References (1)

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
IHC-P	0.1 µg/mL - 1 µg/mL
FCM	1 µg/mL - 5 µg/mL
Dot	0.2 µg/mL - 1 µg/mL
ELISA	0.1 µg/mL - 1 µg/mL
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-hydroxymethylcytosine in both single-stranded and double-stranded DNA. No cross reactivity with non-methylated cytosine and methylcytosine 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-hydroxymethylcytosine.
Purification	Protein A purified From tissue culture supernatant



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

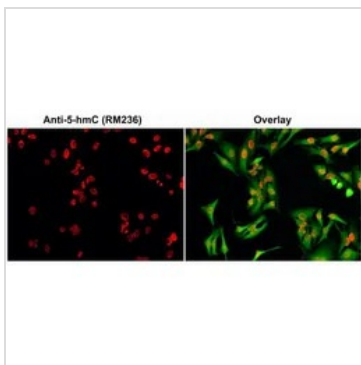
Conjugation Unconjugated

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



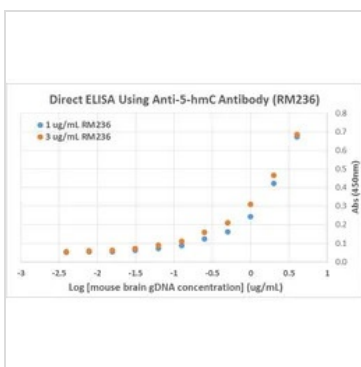
GTX33605 ICC/IF Image

ICC/IF analysis of HeLa cells treated with sodium butyrate using GTX33605 5-Hydroxymethylcytosine / 5-hmC antibody [RM236]. HeLa cells were fixed with 4% PFA and permeabilized with methanol (-20°C) before treatment with 2 N HCl for 30 min at 37 °C to denature DNA.

Red : Primary antibody

Green : Actin

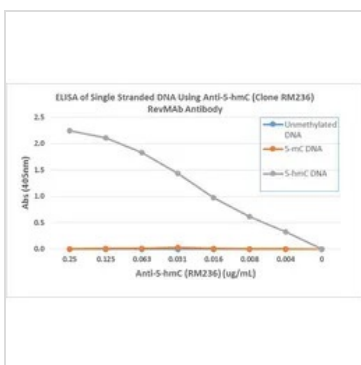
Dilution : 0.5µg/ml



GTX33605 ELISA Image

ELISA analysis of mouse brain genomic DNA using GTX33605 5-Hydroxymethylcytosine / 5-hmC antibody [RM236].

Dilution : 1 ug/mL or 3 ug/mL of RM236 was used as the primary antibody.



GTX33605 ELISA Image

ELISA analysis of unmethylated DNA, 5-Methylcytosine (5-mC) DNA, and 5-Hydroxymethylcytosine (5-hmC) DNA using serial diluted GTX33605 5-Hydroxymethylcytosine / 5-hmC antibody [RM236].



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