

5-Hydroxymethylcytosine / 5-hmC antibody [GT513]

Cat. No. GTX629701

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Applications	Dot, MeDIP
Reactivity	Species independent

References (2)

Package

100 µl, 25 µl

Applications

Application Note

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

Suggested dilution	Recommended dilution
Dot	Assay dependent
MeDIP	Assay dependent

Not tested in other applications.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
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	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The immunogen used to generate this antibody corresponds to 5-Hydroxymethylcytosine / 5-hmC
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated

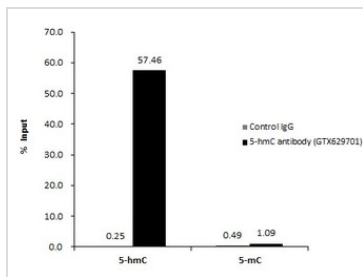
Note

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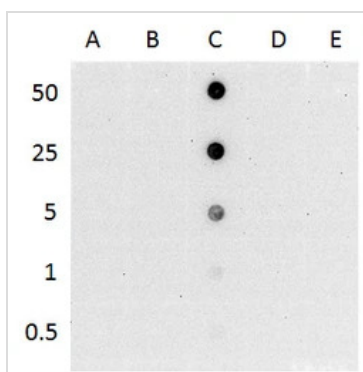
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DATA IMAGES



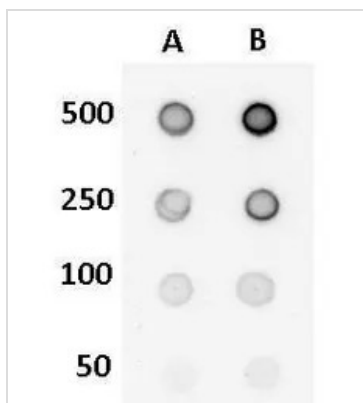
GTX629701 MeDIP Image

GTX629701 5-Hydroxymethylcytosine/ 5-hmC antibody [GT513] in MeDIP experiment. Human genomic DNA (500 ng) mixed with methylated cytosine standard kit (GTX400004) were subjected to MeDIP with 5-Hydroxymethylcytosine/ 5-hmC antibody [GT513] (GTX629701) at dilution of 1:500 and analyzed with semi-quantitative PCR. The immunoprecipitated DNA was plotted as % of input DNA.



GTX629701 Dot Image

GTX629701 5-hydroxymethylcytosine antibody [GT513] Dot blot analysis of anti-5-hmC antibody with the synthetic DNA controls (GTX400004). DNA samples (0.5 to 50 ng as indicated) were spotted onto the positively charged Nylon membrane and blotted with 5-hmC antibody (GTX629701) at a dilution of 1:500. A: Unmethylated DNA fragment B: DNA fragment containing 5-methylcytosine C: DNA fragment containing 5-hydroxymethylcytosine D: DNA fragment containing 5-formylcytosine E: DNA fragment containing 5-carboxylcytosine



GTX629701 Dot Image

Dotblot analysis of anti- 5-Hydroxymethylcytosine / 5-hmC antibody [GT513] with DNA samples DNA samples (50 to 500 ng as indicated) were spotted onto positively charged nylon membrane and blotted with 5-Hydroxymethylcytosine / 5-hmC antibody [GT513] (GTX629701) at a dilution of 1:500. A: Genomic DNA derived from 293T cells. B: Genomic DNA derived from human TET-1 transfected 293T cells.



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