

## 5-Hydroxymethylcytosine / 5-hmC antibody [GT513]

**Cat. No. GTX629701**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Applications</b>	Dot, MeDIP
<b>Reactivity</b>	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

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

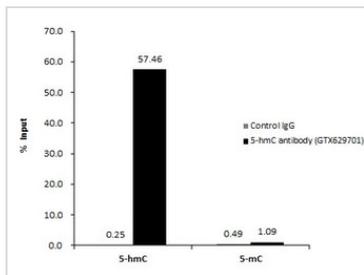
**Note**

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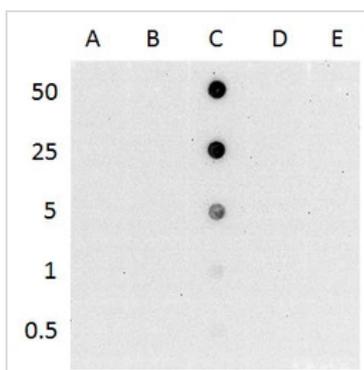
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DATA IMAGES



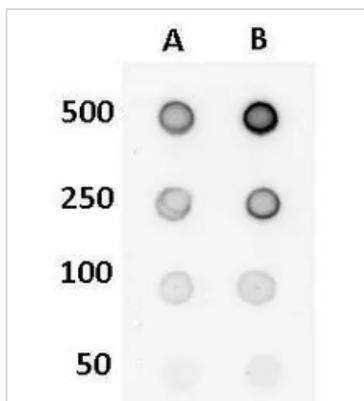
**GTX629701 MeDIP Image**

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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