

## 5-Hydroxymethylcytosine / 5-hmC antibody - MeDIP grade

**Cat. No. GTX60802**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	Dot, ELISA, hMeDIP
<b>Reactivity</b>	Species independent

**Package**

50 µl

## Applications

**Application Note**

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

Suggested dilution	Recommended dilution
Dot	1:200
ELISA	1/500
hMeDIP	2.5 µl

Not tested in other applications.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	Serum
<b>Preservative</b>	0.05% Sodium azide
<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>Immunogen</b>	5-hydroxymethylcytosine conjugated to KLH.
<b>Purification</b>	Unpurified
<b>Conjugation</b>	Unconjugated

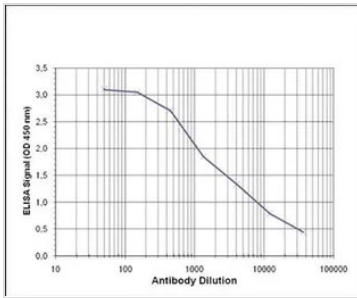
**Note**

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

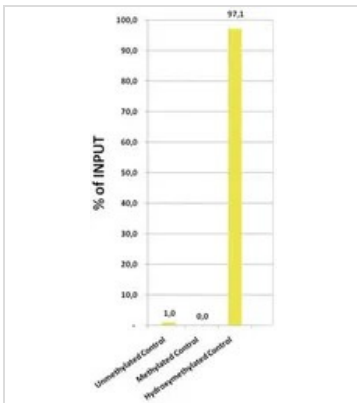
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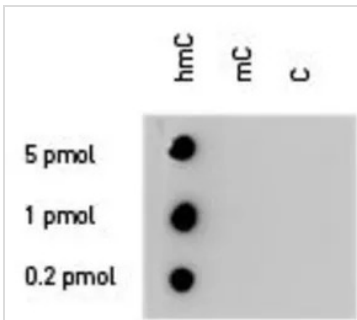
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**DATA IMAGES**

**GTx60802 ELISA Image**

ELISA analysis of peptides used for immunization using GTx60802 5-Hydroxymethylcytosine / 5-hmC antibody - MeDIP grade.


**GTx60802 hMeDIP Image**

hMeDIP analysis of HeLa cells DNA using GTx60802 5-Hydroxymethylcytosine / 5-hmC antibody - MeDIP grade. 1 µg of human HeLa cells DNA were spiked with non-methylated, methylated, and hydroxymethylated fragments. The DNA was prepared with the GenDNA module of the hMeDIP kit and sonicated to have DNA fragments of 300-500 bp. The IgG isotype antibodies from rabbit was used as negative control. The obtained results show that this antibody is highly specific for this base modification (no IP with non-methylated or methylated C bases containing fragments).


**GTx60802 Dot Image**

Dot blot analysis of 100 to 4 ng (equivalent of 5 to 0.2 pmol of C-bases) of the hmC, mC and C PCR controls using GTx60802 5-Hydroxymethylcytosine / 5-hmC antibody - MeDIP grade.

Dilution : 1:200



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