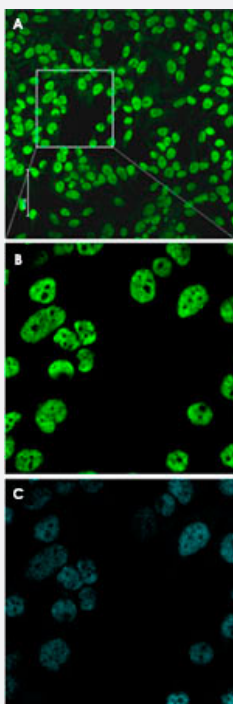


# 5-mC monoclonal antibody, clone b

Catalog # MAB4952      Size 100 ug

## Applications



### Immunofluorescence

Indirect immunofluorescence results obtained with 5-mC monoclonal antibody, clone b (Cat # MAB4952).

A. HeLa cells were immunofluorescent labelled with 5-mC monoclonal antibody, clone b (Cat # MAB4952) is diluted 1 : 100 followed by a goat anti-mouse FITC conjugated antibody. Scale bar is 75 um.

B. Enlarged picture corresponding to a region from the left panel (as indicated in A).

C. Nuclei were DAPI stained to label specifically the DNA (same region as shown in the middle panel : B).

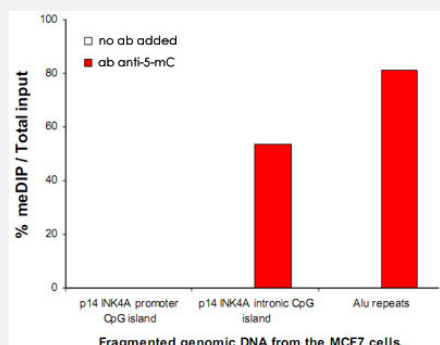
### Immunoprecipitation

MeDIP assay was performed using fragmented genomic DNA from the MCF7 breast cancer cells, 5-mC monoclonal antibody, clone b (Cat # MAB4952) and optimized PCR primer sets for qPCR of the indicated regions.

1 ug of antibody was used per IP experiment.

The hypermethylated p14 INK4A intronic CpG island and Alu repeats are clearly recovered, whereas the non-methylated promoter-CpG island of the p14 INK4A gene is not (red bars).

One IP negative control (no antibody added) was included in the assay, the background is extremely low (white bars).



## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against 5-methyl Cytosine.
<b>Immunogen</b>	Ovalbumine conjugated with 5-methyl Cytosine.
<b>Host</b>	Mouse
<b>Reactivity</b>	Human, Mouse
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	ELISA (0.1-0.3 ug/mL) Dot Blot (1-2 ug/mL) Immunofluorescence (1:100) Flow Cytometry (1-2 ug/mL) Methylated DNA Immunoprecipitation (1-5 ug/IP) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS
<b>Storage Instruction</b>	Aliquot and store at -80°C. Aliquot to avoid repeated freezing and thawing.

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### ● Enzyme-linked Immunoabsorbent Assay

- Dot Blot
- Methylated DNA Immunoprecipitation
- Flow Cytometry