

Product Datasheet

5-MethylCytosine Antibody (C.15200006) - BSA Free NBP2-59170

Unit Size: 100 ug

Store at -80C. Avoid freeze-thaw cycles.

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NBP2-59170

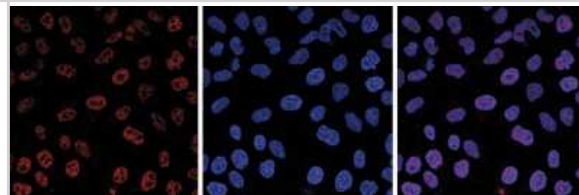
5-MethylCytosine Antibody (C.15200006) - BSA Free

Product Information	
Unit Size	100 ug
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	C.15200006
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Size Exclusion Chromatography
Buffer	PBS
Product Description	
Description	Novus Biologicals Mouse 5-MethylCytosine Antibody (C.15200006) - BSA Free (NBP2-59170) is a monoclonal antibody validated for use in ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Species	Human, Mouse, Rat, Alligator, Bovine, Plant, Zebrafish
Immunogen	The exact immunogen is proprietary information.
Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Methylated DNA Immunoprecipitation
Recommended Dilutions	Immunocytochemistry/ Immunofluorescence 1:1000, Methylated DNA Immunoprecipitation 0.5 - 1 ug/IP

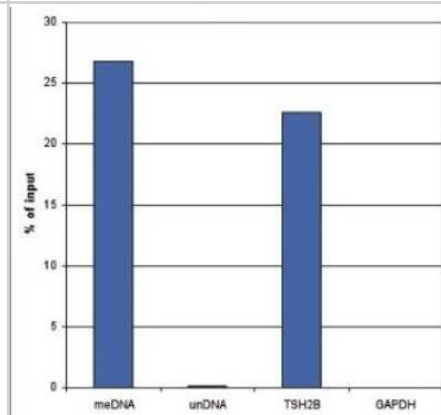


Images

Immunofluorescence: 5-MethylCytosine Antibody (C.15200006) [NBP2-59170] - HeLa cells were stained with the antibody against 5-mC and with DAPI. Cells were fixed with 4% formaldehyde for 10 minutes and blocked with PBS/TX-100 containing 1% BSA. The cells were immunofluorescently labelled with the 5-mC antibody (left) diluted 1:1,000 in blocking solution followed by an anti-mouse antibody conjugated to Alexa Fluor 594. The middle panel shows staining of the nuclei with DAPI. A merge of the two stainings is shown on the right.



Methylated DNA Immunoprecipitation: 5-MethylCytosine Antibody (C.15200006) [NBP2-59170] - Methylated DNA immunoprecipitation was performed on 1 ug fragmented human genomic DNA using 0.2 ug of the antibody against 5-mC and a MeDIP Kit. The fragmented DNA was spiked with the internal controls present in the kit (methylated DNA (meDNA) as a positive and unmethylated DNA (unDNA) as a negative control) prior to performing the IP. QPCR was performed with optimized primer sets, specific for the methylated and unmethylated DNA controls, and for a known methylated (TSH2B) and unmethylated (GAPDH) genomic region. Figure shows the recovery expressed as a % of input (the relative amount of immunoprecipitated DNA compared to input DNA after qPCR analysis).





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Products Related to NBP2-59170

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-62131	5-MethylCytosine ELISA Kit (Colorimetric)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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