

Code No. 10281

**Anti-Human
MBD3 (3A3) Mouse IgG MoAb**Volume : 100 µg

Introduction : Methylation at CpG dinucleotides in genomic DNA is a fundamental epigenetic mechanism of gene expression control in vertebrates. Proteins with a methyl-CpG binding domain (MBD) can bind to single methylated CpGs and most of them are involved in transcription control. So far, five vertebrate MBD proteins have been described as MBD family members: BD1, MBD2, MBD3, MBD4 and MECP2.

Antigen : Synthetic peptide of part of C terminal of human MBD3 (EELARDGEAPLDKAC)

Source : Mouse-Mouse hybridoma (Supernatant)
(X63-Ag8.653×BALB/c spleen cells)

Clone : 3A3

Subclass : IgG₁

Purification : Affinity purified with antigen peptides

Form : Lyophilized product from 1% BSA in PBS containing 0.05%NaN₃

How to use : 1.0 mL deionized water will be added to the product

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : This antibody can be used for western blotting in concentration of about 0.1 µg/mL.

Specificity : Not cross-react with MBD2

References : Zhang Y, Ng HH, Erdjument-Bromage H, Tempst P, Bird A, and Reinberg D. Analysis of the NuRD subunits reveals a histone deacetylase core complex and a connection with DNA methylation. *Genes Dev.* 13: 1924-35, 1999.

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Immuno-Biological Laboratories, Inc.
8201 Central Ave NE, Suite P
Minneapolis, MN 55432

Toll-Free: 888-523-1246
Email: info@IBL-America.com
Web: www.IBL-America.com