



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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**DNA Adenine Methylase. Mouse Monoclonal Antibody**  
DAM

**BACKGROUND**

DNA adenine methylase (DAM) is an enzyme that methylates adenine residues in the 4-base pair DNA sequence, GATC. This methylation reaction has been shown to be crucial in a variety of cellular processes in bacteria. These include (i) the control of initiation of DNA replication (GATC occurs 11 times in the highly conserved bacterial origin of replication sequence); (ii) methyl-directed mismatch repair; (iii) control of transposition of certain transposable DNA elements; and (iv) control of gene expression. With regard to gene expression, the recent report by Heithoff et al. (Science; 284:967-970; 1999) showed that the deletion of the DAM gene rendered *Salmonella typhimurium* totally avirulent.

**IMMUNOGEN**

Recombinant DNA Adenine Methylase protein.

**POSITIVE CONTROL/TISSUE EXPRESSION**

Not available

**COMMENTS**

Antibody can be used for Western blotting (5-10  $\mu$ g/ml). Other applications not yet evaluated. Optimal concentration should be evaluated by serial dilutions.

**ORDERING INFORMATION**

**CATALOG NUMBER**

X1610M

**SIZE**

100  $\mu$ g

**FORM**

Unconjugated

**HOST/CLONE**

Mouse Clone RB1

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG1

**APPLICATIONS**

Western Blot

**SPECIES REACTIVITY**

Gram Negative Bacteria

**ACCESSION NUMBER**

POAEE8, E.coli

**PURIFICATION**

Protein A/G Chromatography

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Pogolotti, AL Jr., et al. 'On the mechanism of DNA-adenine methylase.' J Biol Chem, 1988, 263, 7461-7464.