

**MGMT Blocking Peptide**  
**Catalog # PBV10370b****Specification**

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**MGMT Blocking Peptide - Product Information**

Primary Accession	<a href="#">P24528</a>
Gene ID	<b>25332</b>
Calculated MW	<b>22244</b>

**MGMT Blocking Peptide - Additional Information****Gene ID** 25332**Application & Usage**

The peptide is used for blocking the antibody activity of MGMT. It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

**Other Names**

Methylated-DNA--protein-cysteine methyltransferase, 2.1.1.63, 6-O-methylguanine-DNA methyltransferase, MGMT, O-6-methylguanine-DNA-alkyltransferase, Mgmt

**Target/Specificity**

MGMT

**Formulation**

50 µg (0.5 mg/ml) in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA and 0.02% thimerosal.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

MGMT Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

**MGMT Blocking Peptide - Protein Information****Name** Mgmt**Function**

Involved in the cellular defense against the biological effects of O6-methylguanine (O6-MeG) and O4-methylthymine (O4-MeT) in DNA. Repairs the methylated nucleobase in DNA by stoichiometrically transferring the methyl group to a cysteine residue in the enzyme. This is a

suicide reaction: the enzyme is irreversibly inactivated.

**Cellular Location**

Nucleus.

**MGMT Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**MGMT Blocking Peptide - Images**