

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MGMT in Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 300008
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse MGMT Met1-Asn211 Accession # P26187
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The O-6-methylguanine-DNA-methyl transferase (MGMT) is involved in the direct repair of DNA alkylated at the O⁶ position of guanine. MGMT transfers the alkyl group to its own cysteine thereby inactivating the MGMT molecule. Therefore, the number of MGMT molecules correlates directly with the cell's ability to withstand DNA alkylation.

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