

Monoclonal Antibody to MGMT (O6-methylguanine-DNA methyltransferase)

Catalog No.:	DM3132
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	MT3.1
Immunogen:	Purified recombinant human MGMT protein Mol. Wt. of antigen: 25 kD
Applications:	Flow Cytometry Western Blotting (0.5-1µg/ml for 2 hrs at RT) Immunohistology (Formalin/paraffin, 2-4µg/ml for 30 min at RT) Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0. Recommended positive control: Raji Cells, Colon Carcinoma. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Cancer chemotherapeutic alkylating agents (e.g. BCNU,) act by inducing formation of lethal cross-links at the O6-alkylguanine position in DNA. Reacts with Human. Also reacts weakly with Mouse, Rat, and Hamster. Others not tested. Cellular Localization: cytoplasmic, nuclear.
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.
General Readings:	1. Harris LC, et. al. Cancer Res, 1992, 52(22):6404-6. 2. von Wronski MA, et. al. Carcinogenesis, 1994, 15:577-82. 3. Kokkinakis DM; et al. Brit J Cancer, 1997, 75:779-88. 4. Harris LC; et al. Carcinogen