

MGMT monoclonal antibody

Catalog: MB66904

Host: Mouse

Reactivity: Human

BackGround:

MGMT is a DNA repair enzyme that participates in a suicide reaction that specifically removes methyl or alkyl groups from the O position of guanine, restoring guanine to its normal form without causing DNA breaks. MGMT protects cells from alkylating toxins, and is an important factor in drug resistance to alkylating therapeutic agents. It is ubiquitously expressed in normal human tissues and is overexpressed in many types of human tumors, but epigenetically silenced in other tumors. MGMT silencing is a marker associated with poor prognosis, but is a good predictive marker for response to alkylating agent chemotherapy.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 22 kDa

Swiss-Prot:

P16455

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000), IF/ICC (1/10 - 1/50)

Storage&Stability:

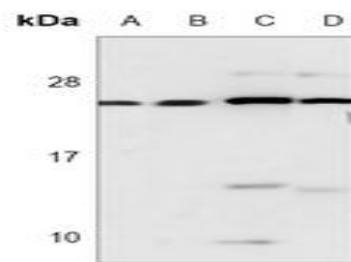
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

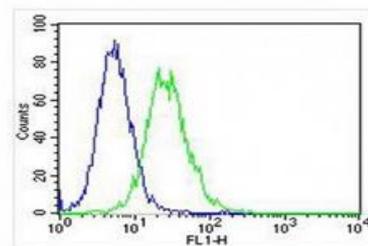
Specificity:

Recognizes endogenous levels of MGMT protein.

DATA:



Western blot analysis of MGMT expression in Jurkat (A), MCF7 (B), MOLT4 (C), Raji (D) whole cell lysates.



Note:

For research use only, not for use in diagnostic procedure.

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