

# Anti-Thymidine Glycol (TG) Monoclonal Antibody

- Code:** MTG-100P (100  $\mu$ g of IgG, Lyophilized powder)
- Clone #:** 2E8
- Immunogen:** Thymidine glycol polymer.
- Subclass:** Mouse IgG<sub>1</sub>( $\kappa$ )
- Application:** Immunohistochemistry
- Reconstitution:** Reconstitute with 1mL of distilled water.
- Buffer Concentration:** 100  $\mu$ g/mL IgG in 10mM Phosphate buffered saline, pH7.4 containing 1.0% BSA
- Specificity:** Specific to DNA containing thymidine glycol. Cross reactivity is checked to oxidized dC polymer, oxidized dG polymer and oxidized dA polymer.
- Storage:** Store at less than -20°C.  
Avoid repeated freeze & thaw after reconstitution.  
For short term storage or transport, storage at 4°C is acceptable.
- Stability:** 3 years at -20°C
- Reference:** 1) Ashis K. Basu, Edward L. Loechier, Steven A. Leadon, John M. Essigmann  
Genetic effects of thymine glycol: Site-specific mutagenesis and molecular modeling studies.  
Proc.Natl.Acad.Sci.Vol.86, p7677-7681 (1989)

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