

## Taq DNA Polymerase Antibody monoclonal antibody

Catalog: MB9056

Host: Mouse

Reactivity:

**BackGround:**

Polymerase Chain Reaction (PCR), invented by Kary B. Mullis, at the Cetus Corporation, who was awarded the 1993 Nobel Prize for chemistry for PCR, is a technique to exponentially amplify in vitro a small quantity of a specific nucleotide sequence using a thermostable (Taq) DNA polymerase. Anti-Taq Antibody is an ideal tool for hot-start PCR with Taq DNA polymerase. The Anti-Taq Antibody binds to Taq DNA polymerase and arrests the activity of Taq DNA Polymerase, preventing non-specific and primer dimer amplification resulted from non-specific priming at ambient temperature for the duration of time prior to PCR thermal cycling. During the initial denaturing step in PCR thermal cycling, the Anti-Taq Antibody is denatured and the Taq DNA polymerase is then released, thus regaining its full DNA polymerase activity. The result indicates that anti-Taq DNA Polymerase antibody increases the specificity and sensitivity of the PCR.

**Product:**

Mouse IgG1, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:****Swiss-Prot:****Purification&Purity:**

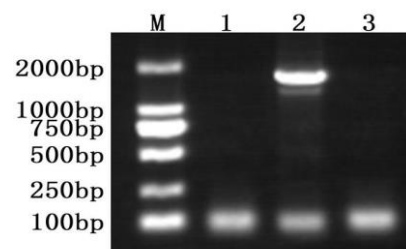
ProG affinity purified.

**Applications:****Storage&Stability:**

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze/thaw cycles.

**Specificity:**

Taq DNA Polymerase Antibody monoclonal antibody detects endogenous levels of Taq DNA Polymerase Antibody protein.

**DATA:**

Application of the hot start PCR using anti-Taq DNA Polymerase antibody Lane1: Taq DNA Polymerase Lane2: Taq DNA Polymerase + Anti-Taq DNA Polymerase antibody Lane3: Taq DNA Polymerase + Control antibody

**Note:**

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

**Bioworld Technology, Inc.**

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

**Bioworld technology, co. Ltd.**

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151