

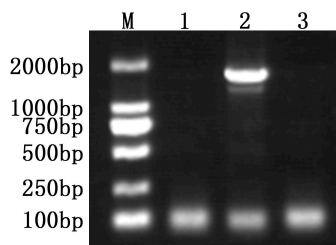
Anti-Taq DNA Polymerase Antibody (7B410)

Product Details

Conjugation: Unconjugated
 Clone: 7B410
 Purification: ProG affinity purified

Applications

Verified Activity: 1. 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.



Application: Antibody-mediated,hot,PCR,start

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
 Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Taq DNA Polymerase

Research 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. Taq Antibody is an ideal tool for hot-start PCR with Taq DNA polymerase. The 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 Taq Antibody is denatured and the Taq DNA polymerase is then released, thus regaining its full DNA polymerase activity. The result indicates that Taq DNA Polymerase antibody increases the specificity and sensitivity of the PCR.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481