

Product Description

Anti-Taq DNA Polymerase Antibody (242001) is a highly purified monoclonal antibody to Taq DNA polymerase. It can inhibit the activity of DNA polymerase, which can effectively inhibit the nonspecific annealing of primers and the nonspecific amplification caused by primer dimer at low temperature.

Anti-Taq DNA Polymerase Antibody (242001) is quickly inactivated in the initial DNA denaturation step of PCR reaction, and the activity of DNA polymerase is restored to achieve the effect of hot start PCR. It can be used under the condition of routine PCR reaction without special inactivation of antibody.

Components

Anti-Taq DNA Polymerase Antibody (242001) 4 mg/mL

Storage

Store at $-20\pm 5^{\circ}\text{C}$. Mix well before use and avoid repeated freeze-thaw cycles.

Quality Control

1. SDS-PAGE electrophoresis purity no less than 98%.
2. No exogenous nuclease activity, exogenous endonuclease or exonuclease contamination.

Protocol

1 μg antibody could block the activity of 5-10 U Taq DNA polymerase. It is recommended to mix the antibody and the Taq DNA polymerase well and incubate at room temperature for 20 min before use. The blocking efficiency is more than 90%.

Notes

1. This product is only for scientific research purposes, not for clinical diagnosis.
2. Please wear the necessary PPE, such as lab coat and gloves, to ensure your health and safety!