

# Champagne Taq antibody

P121

Version 22.1



## Product Description

Champagne Taq antibody is a monoclonal antibody against *Taq* DNA polymerase, which can inhibit the polymerization activity of *Taq* DNA polymerase by combining with it. Champagne Taq antibody has the superior binding affinity to *Taq* DNA polymerase. It can block the activity of *Taq* DNA polymerase even at 65°C, thereby effectively inhibiting nonspecific annealing of primers and nonspecific amplification caused by primer dimers. When Champagne Taq antibody is heated at 95°C for 30 sec, it will be completely inactivated. Thereby, the polymerization activity of *Taq* DNA polymerase is totally released. This product is suitable for various hot-start PCR/qPCR based on *Taq* DNA polymerase.

## Components

Components	P121-01
■ Champagne Taq antibody (5 U/μl)	100 μl

## Storage

Store at -30 ~ -15°C and transport at ≤0°C.

## Applications

It is applicable for various hot-start PCR/qPCR based on *Taq* DNA polymerase.

## Unit Definition

One unit (U) is defined as the amount of antibody that inhibits more than 95% of the activity of 1 U *Taq* DNA Polymerase at 55°C for 30 min.

## Notes

For research use only. Not for use in diagnostic procedures.

## Examples

Mix equal volumes of *Taq* DNA Polymerase (5 U/μl) and Champagne Taq antibody (5 U/μl), and place at 20 ~ 25°C for about 10 min, that is, hot-start *Taq* DNA Polymerase (2.5 U/μl).

