

Taq Antibody (Glycerol-free, 80 U/μL)

Product Information

Cat#	DIA-451
Description	Binds Taq DNA Polymerase reversibly to block polymerase activity at low temperatures, preventing non-specific template amplification and primer dimer formation. Denatures during initial DNA denaturation, forming a hot-start Taq enzyme suitable for high-specificity PCR, complex background amplification, low-copy gene detection, high GC content (>60%), and large-scale genomic amplification. Glycerol-free, suitable for lyophilized formulations.
Unit Definition	One unit (U) is defined as the amount of antibody required to inhibit more than 95% of the activity of 1 U Taq DNA Polymerase at 55 °C for 30 minutes.
Storage	-20 °C
Purity	≥ 95%
Contaminants	Free of RNase and endo-/exonuclease contamination
Applications	Compatible with conventional PCR conditions using Taq DNA Polymerase.
Product Overview	Product Features: High affinity for Taq polymerase, effectively preventing nonspecific PCR amplification Rapid hot-start activation: Taq activity fully activated at 95 °C within 30 s
Package	10 μL/10 mL