

Certificate of Analysis

Manufacturer:	Auker Biotech Co.,Ltd.
Product Name:	Anti-Taq enzyme
Product Code:	A8114
Clone Code:	14E3
Lot No.:	20230801
Background:	Anti-taq is used for inhibition of polymerase activity at room temperature, which increases sensitivity and specificity of PCR. This product is a highly purified neutralization monoclonal antibody to 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. At the first denaturation step of the thermal cycling, the antibody is quickly inactivated and PCR proceeds. The antibody-mediated hot start method is significantly more convenient to use than other hot start methods.
Molecular Weight:	150KD
Product Appearance:	Purified, Liquid
Product Form:	Produced by affinity chromatography (rPA) in vitro.Dissolved in 35mM TB (pH8.0, containing 25mM KCL and 0.1mM EDTA) ,with 50% glycerol as preservative.
Protein Concentration:	5mg/mL
How to use:	10 μ g of Anti-Taq corresponds to 50 U Taq DNA polymerase
Purity:	>95%
Storage:	Store at $-20\pm 10^{\circ}\text{C}$ for four years
Advantage:	Inhibits $\geq 90\%$ polymerase activity at room temperature No contamination of mouse genomic DNA examined by PCR Enhances the specificity and sensitivity of PCR The polymerase can be reactivated quicker than with methods utilizing a chemically modified polymerase
Precaution:	The products and pre-frozen biological ice packs are packaged in an EPS transportation box and delivered by regular express, and they must arrive within 72 hours.

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