

Hieff™ Double-Block anti-Taq DNA Polymerase Antibody

Product Information

Product Name	Cat#	Size
Hieff™ Double-Block anti-Taq DNA Polymerase Antibody	31303ES60	100 µg
	31303ES80	1 mg
	31303ES90	5 mg
	31303ES92	10 mg
	31303ES93	100 mg
	31303ES94	1000 mg

Product Description

Hieff™ Double-Block anti-Taq DNA Polymerase Antibody is a double blocking Taq DNA Polymerase monoclonal antibody for hot start PCR. It can inhibit the activity of 5' - 3' polymerase and 5' - 3' exonuclease after binding to Taq DNA Polymerase, which can effectively inhibit the nonspecific annealing of primers and the nonspecific amplification caused by primer dimer at low temperature. In addition, the product can effectively prevent probe degradation. Hieff™ Double-Block anti-Taq DNA Polymerase Antibody is denatured in the initial DNA denaturation step of PCR reaction, through which 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.

Product Component

Component Number	Component	Cat# /Size					
		31303ES60 (100 µg)	31303ES80 (1 mg)	31303ES90 (5 mg)	31303ES92 (10 mg)	31303ES93 (100 mg)	31303ES94 (1000 mg)
31303	Hieff™ Double-Block anti-Taq DNA Polymerase Antibody	20 µL	200 µL	1 mL	1 mL×2	20 mL	200 mL

Shipping and Storage

The product is shipped with ice packs and can be stored at -20°C for 2 years.

Applications

The concentration of this product is 5 mg/mL. 1 µL antibody could block the activity of 20-50 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 prior to use. The blocking efficiency of 5' - 3' polymerase and 5' - 3' exonuclease activity is over 90%.