

Taq Antibody (5,000 U/mL)

Version: 16E11v1.0

Catalog: RK20545

Size: 100 U / 500 U

Components:

Taq Antibody (5,000 U/mL)	RM20325
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Product Description

Taq Antibody is an anti-*Taq* DNA polymerase monoclonal antibody used in hot-start PCR or qPCR reaction, which binds to *Taq* DNA polymerase to inhibit its activity, thus the *Taq* Antibody effectively inhibit the production of primer polymers and the nonspecific amplifications of DNA template. *Taq* Antibody also be denatured in the initial DNA pre-denaturation step of the PCR or qPCR reaction, which made *Taq* DNA polymerase used under conventional PCR reaction conditions because of this product does not need special anti-*Taq* antibody inactivation treatment.

Product Components

Component	100 U	500 U
<i>Taq</i> Antibody (5,000 U/mL)	20 µL	100 µL

Unit Definition

1 U is defined as the required amount of antibody that can inhibit 90% activity of 1 U of *Taq* DNA Polymerase at 55°C for 10 min.

Storage

Store at -20°C.

Storage Solution for Antibodies

10 mM Tris-HCl, 100 mM KCl, 1 mM DTT, 0.1 mM EDTA, 0.5% Tween 20, 0.5% IGEPAL CA630, 50% Glycerol, pH 7.4 @ 25°C

Protocol

1. The *Taq* DNA Polymerase (5,000 U/mL) and the *Taq* Antibody (5,000 U/mL) were mixed with same volume for 10 min at 20-25°C.
2. When mixing *Taq* DNA Polymerase and *Taq* Antibody, they are only allowed using original solution.

Quality Control

- ◆ No DNase, RNase activity.
- ◆ No exonuclease and endonuclease activity.
- ◆ No microbial genome residues detected by RCR.