

Product components

Components	Component number	Size-1	Size-2
		100 U	500 U
Taq Antibody (5,000 U/mL)	RM20325	20 µL	100 µL

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.

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.