

Taq Antibody (5,000 U/mL)

Catalog: RK20545

Size: 100 U / 500 U

Components:

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

Taq Antibody is a mouse monoclonal antibody that specifically binds to Taq DNA polymerase. When this antibody is bound to Taq, the enzyme is rendered inactive. It provides an antibody-mediated hot start that enhances the specificity and sensitivity of PCR. Inhibition is completely reversed when the temperature is raised during the denaturing step of thermal cycling.

Unit Definition:

One unit is defined as the amount of antibody required to inhibit greater than 90% of one unit of Taq DNA polymerase after a 10 minute incubation at 55°C.

Storage Temperature: -20°C

Storage buffer:

10 mM Tris-HCl, 100 mM KCl, 1 mM DTT, 0.1 mM EDTA, 0.5% Tween 20, 0.5% IGEPAL CA630, 50% Glycerol, pH7.4 @ 25°C

Protocol:

1. Prepare a mixture of Taq DNA polymerase and Taq antibody at a 1:1 ratio. Incubate the mixture at 20~25°C for 10min.
2. Use the solution in a standard PCR reaction.

QUALITY CONTROL ANALYSIS:

- ◆ Promising performance when using this product with RK20600 Taq DNA Polymerase (Mg²⁺ Plus Buffer) in a standard PCR reaction.
- ◆ No DNase, RNase activity detected.
- ◆ No endonuclease, exonuclease activity detected.
- ◆ No microbial genome residue was detected by specific PCR.