

Certificate of analysis

Product Name/Description: Taq Antibody
Cat. #: 9002A
Lot #: Specified on product label
Storage Conditions: -20 degrees C
Expiration Date: Specified on product label or package

Package Size: 250 U

Package Contents: 1. Taq Antibody 5 U/ μ l 250 U

Unit Definition: One unit of the antibody is defined as the amount that inhibits 1 unit of Taq polymerase activity by more than 90% in 10 minutes reaction at 55°C. Prior to this reaction, Taq antibody should be incubated with Taq polymerase for 10 minutes at 25°C.

Quality Control Data:

1) Contamination test:

Nicking activity, endonuclease and exonuclease activity in this product were not detected when 1 μ g of supercoiled pBR322 DNA, 1 μ g of λ DNA or 1 μ g of λ -Hind III digest was incubated with 10 units of this product for 1 hour at 37°C and 70°C, respectively, and analyzed by agarose gel electrophoresis. RNase activity in this product was not detected when 1 μ g of 16S, 23S rRNA was incubated with 10 units of this product for 1 hour at 37°C, and analyzed by agarose gel electrophoresis.

It was confirmed by 35 cycles of PCR that there was no mouse genomic DNA in this product.

2) Performance test:

The expected effect of this product to Taq polymerase was confirmed by comparing the results of PCR using the reaction mixture with and without the antibody.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department of Takara Bio Inc.

Notice To Purchaser:

Please refer to the website.

Product Documents, Patent Markings, Trademarks, & Safety Information:

Refer to website for availability to download or contact your local office:
www.takara-bio.co.jp (Japanese)
www.takarabio.com (English)

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