

Features:

- Anti-Taq (monoclonal antibody to Taq DNA polymerase) inhibits the reaction of Taq DNA Polymerases at room temperature
- Ideal as enhancer for PCR reactions or for "homemade" Hot-Start Polymerase

Application:

Polymerase detergent/enhancer for:

- High specific amplification
- Multiplex amplification
- High sensitivity applications
- Low-copy number PCR

Unit definition:

One unit is defined as the amount required to blocks 50% activity of 1 µg of Polymerase

Note: The ratio units/mg of polymerase varies (up to factor of 10). The binding rate Anti-Taq depends strongly of the polymerization region (active epitopes) of the polymerase. The optimized mixture has to be found in empiric test and for every new lot of polymerase, again.

Storage Buffer for S131/S132

20mM Tris-HCl (pH 7.0, at 22°C); 50 mM KCl; 0.1mM EDTA; 50% glycerol

Storage Buffer for S131/S132-8C1

3mM Tris-HCl (pH 8,0, @ 22°C); 15 mM KCl; 0.1mM EDTA; 20 % Trehalose (pH 8,0, @ 22°C);

Concentration: 2-10 mg/ml

Units/mg-ratio:

2300 units of the specific polymerase activity are equal to 1 mg of antibodies

Storage: at – 20°C

Order Information

| Prod. No. | Description | Quantity |
|-----------|--|----------|
| S9131 | m-AntiTaQ Clon AHO3 | 100 µg |
| S9132 | m-AntiTaQ Clon AHO3 | 500 µg |
| S9131-8C1 | m-AntiTaQ Clon 8C1 buffered in Trehalose | 100 µg |
| S9132-8C1 | m-AntiTaQ Clon 8C1 buffered in Trehalose | 500 µg |