DIALAT Ltd.

Data sheet
This data sheet provided for information only

MONOCLONAL ANTI-TAQ DNA POLYMERASE ANTIBODIES

RESEARCH USE ONLY

Mouse monoclonal antibodies
Clone: AH03

Cat. No.	Pack	Conc.
D-A0301	0.1mg	2-10* mg/ml
D-A0302	0.5 mg	2-10* mg/ml

Stability:

Shelf life 24 months if store at -20°C (for Mabs in glycerol buffer).
Shelf life 24 months if store at +4°C (for Mabs in glycerol free buffer).
*** -10 mg/ml or higher concentration available only for glycerol free storage buffer**

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

STORAGE AND DILUTION BUFFER:
No.1: 20mM Tris-HCL (pH 7.0, at 22°C); 50 mM KCL;0.1mM EDTA; 50% glycerol
No.2 (glycerol free): 20mM Tris-HCL (pH 7.0, at 22°C);0.1% NaN_3

Note: Preparation of hot-start Polymerase blend with anti-Taq Pol Mabs should be optimized for every type of Taq polymerase according to specific activity of initial enzyme batch.

SOURCE:
Mouse monoclonal antibodies

DESCRIPTION:
Monoclonal anti-Taq Polymerase antibodies (anti-Taq Pol) derived from hybridoma (fusion of mouse myeloma cell and cells after mouse immunization with Taq DNA Polymerase (cloned). ***Anti-Taq Pol antibodies (clone AHO3)*** are highly specific to Polymerization region of Taq, truncated Taq (KlenTaq) , Taq- based mutants or Tth polymerases (to the different epitope than Mabs Clone **AHO2, cat. No. Dia-A0201/202** and **AHO16, cat. No. Dia-A0101/102**), blocking polymerase activity at temperatures up to 60°C. They binds to enzyme with high affinity, forming temperature-stable protein/protein complex, which degradates at the temperatures higher **70-72°C**, liberating active Taq polymerase into PCR reaction.

PURITY:
>95% according SDS gel electrophoresis in PAAG

APPLICATIONS:
- Hot-Start mode PCR amplification

STORAGE CONDITIONS :
Store ***anti-Taq Pol*** DNA Polymerase at -20°C for long term storage(glycerol buffer)
Store ***anti-Taq Pol*** DNA Polymerase at +4°C (glycerol free buffer)

SHIPPING CONDITIONS:
Should be shipped at ambient temperature

DIALAT Ltd.,117 149,Moscow, Russia, Sympheropolsky blv.8, Tel.+499 613 2052, Fax.+499 613 4818
e-mail: info@dialat.ru