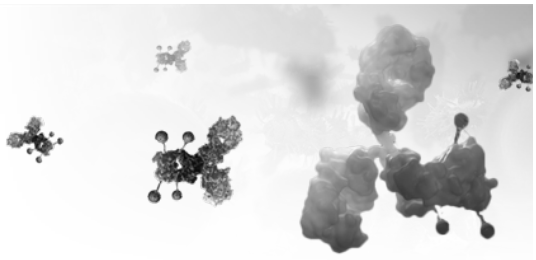

Mouse Anti-Taq monoclonal antibody, clone 9D2 (CABT-L520)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Anti-Taq monoclonal antibodies were derived from a hybridoma (fusion of mouse myeloma cell and the cells after mouse immunization with Taq DNA Polymerase). This antibody is effective with a variety of commercially available Taq DNA polymerases (native or recombinant). The use of hot start anti-Taq monoclonal antibody significantly improves the specificity of PCR amplification what is especially important for PCR-based diagnostics. No conversion to the covalently closed circular DNA to the nicked or linear form was observed after incubation of 1 µg of pUC19 with antibodies in final concentration of 6 u/µl in 20 µl of reaction mixture containing 25 mM Tris-HCl (pH 7.9), 100 mM NaCl, 10 mM MgCl2 after 16 hours at 37°C.
Target	Taq DNA Polymerase
Immunogen	Taq DNA Polymerase
Source/Host	Mouse
Clone	9D2
Purification	> 95% by SDS-PAGE
Conjugate	Unconjugated
Applications	HotStart qPCR application, PCR diagnostics, genotyping, SNP
Format	Liquid
Concentration	4 mg/ml
Size	1 mg
Buffer	STORAGE BUFFER: 10 mM Tris-HCl (pH 7.0), 50 mM KCl, 0.1 mM EDTA, 50% Glycerol. REACTION BUFFER: The anti-Taq monoclonal antibody reaction buffer is the same buffer

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	used for the Thermostable DNA polymerase.
Preservative	None
Storage	For immediate use, keep at 4°C, stable for up to one month. For long-term storage at -20°C, stable for up to 2 years.
Ship	Recommended shipping temperature: at 4°C or ambient condition.

BACKGROUND

Introduction	Taq polymerase is a thermostable DNA polymerase named after the thermophilic bacterium Thermus aquaticus from which it was originally isolated by Thomas D. Brock in 1965. It is often abbreviated to "Taq Pol" (or simply "Taq"), and is frequently used in polymerase chain reaction (PCR), a method for greatly amplifying short segments of DNA.
Keywords	Taq polymerase; Taq Pol; Taq

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