



[Go to Product page](#)

Datasheet for ABIN6952138

anti-Taq DNA Polymerase antibody

2 Images

Overview

Quantity:	250 U
Target:	Taq DNA Polymerase
Reactivity:	Thermus aquaticus
Host:	Mouse
Clonality:	Monoclonal
Application:	Polymerase Chain Reaction (PCR)

Product Details

Purpose:	The anti-Taq antibody inhibits the Taq DNA Polymerase at room temperature to increase specificity and sensitivity of the PCR.
Immunogen:	Taq DNA Polymerase
Isotype:	IgG
Specificity:	<ul style="list-style-type: none">• Inhibits polymerase activity until desired• Enhances polymerase performance & stability under harsh cycling conditions• No DNA contaminations detected with PCR
Characteristics:	HotStart Antibody is a highly pure antibody that binds to Taq DNA Polymerase and thereby blocks its polymerase activity. At the very beginning of the thermal cycling protocol, the antibody is inactivated and with this "Hot Start", Taq DNA Polymerase regains its function. This highly controlled reaction start prevents non-specific amplification and grants maximum control over the reaction conditions.
Purification:	Affinity Column

Target Details

Target:	Taq DNA Polymerase
Alternative Name:	Taq Polymerase (Taq DNA Polymerase Products)
Molecular Weight:	94 kDa

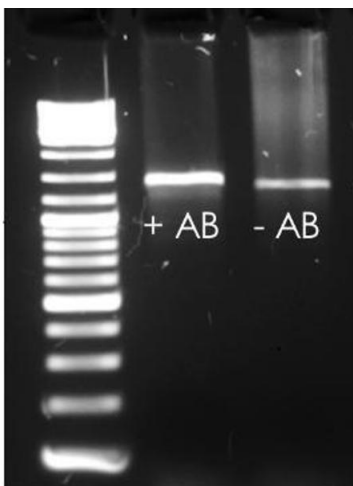
Application Details

Application Notes:	Use 20 ng antibody for 1 Unit Taq DNA Polymerase
Comment:	For convenience, 5 U/ μ l Taq polymerase can be mixed with an equal volume of HotStart antibody, aliquoted and stored at -20°C until further use.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	5 U/ μ L
Buffer:	TE-Buffer, pH 7.4
Storage:	-20 °C

Images



Agarose Gel Electrophoresis

Image 1. EndpointPCR with and without HotStart Antibody

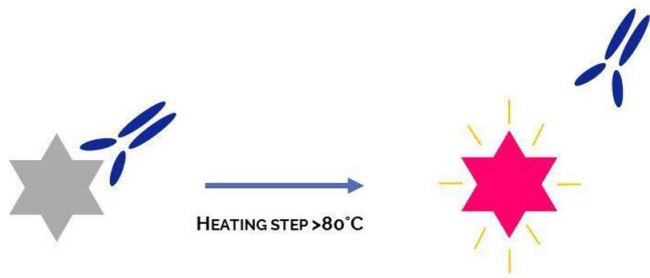


Image 2. Principle of HotStart Antibody