

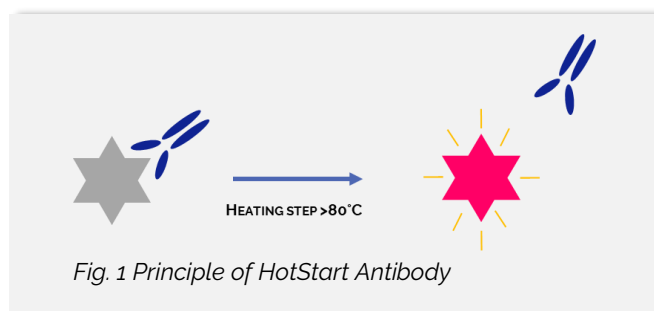


**FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

	SKU	CONTENT
<b>HOTSTART ANTIBODY</b>	PCCSKU0214	10 mg lyophilized antibody
<b>- BULK -</b>	PCCSKU0215	100 mg lyophilized antibody

### DESCRIPTION & FEATURES

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.



**FEATURES:** Inhibits polymerase activity until desired  
 Enhances polymerase performance & stability under harsh cycling conditions  
 No DNA contaminations detected with PCR

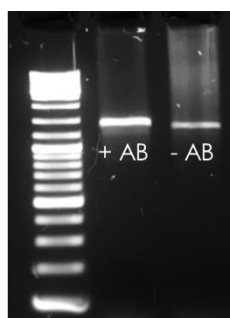
### RECONSTITUTION

Carefully solubilize the lyophilized HotStart Antibody in sterile 50% Glycerol (prepared with PCR Grade dH<sub>2</sub>O) to 1 mg/ml by gently inverting the tube. Aliquot for use as required and store at -20°C.

## PROTOCOL

Taq Polymerase	1 U
HotStart Antibody	0.2 µl
incubate for 5' at room temperature → use directly or store at -20°C	

For convenience, 5 U/µl Taq polymerase can be mixed with an equal volume of HotStart antibody, aliquoted and stored at -20°C until further use.



Endpoint PCR with & without **HotStart** Antibody

## RELATED PRODUCTS

	SKU	CONTENT
<b>VITATAQ®+ 10X BUFFER</b>	PCCSKU1001	500 units
	PCCSKU1002	1000 UNITS
	PCCSKU1003	5000 UNITS
<b>2X HS MASTERMIX CLEAR</b>	PCCSKU1004	2 ml
	PCCSKU1005	5 ml
	PCCSKU1006	10 ml
<b>2X HS MASTERMIX GOLD</b>	PCCSKU1007	2 ml
	PCCSKU1008	5 ml
	PCCSKU1009	10 ml

## ORDERING INFORMATION & TECHNICAL SUPPORT

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