

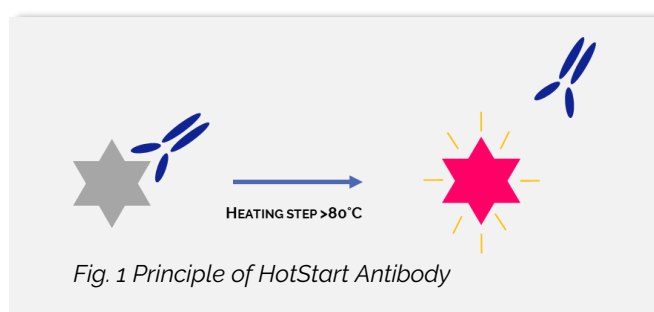


FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.

	SKU	CONTENT
HOTSTART ANTIBODY READY-TO-USE	PCCSKU1030	250 Units (in solution)
	PCCSKU1031	1000 Units (in solution)
HOTSTART ANTIBODY BULK	PCCSKU5007	100 µg antibody (lyophilized)
	PCCSKU5008	1 mg antibody (lyophilized)
	PCCSKU5009	10 mg antibody (lyophilized)

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.



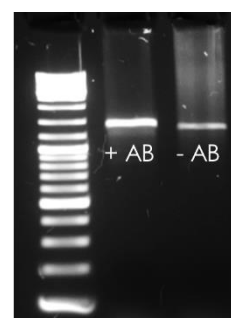
- FEATURES:**
- Inhibits polymerase activity until desired
 - Enhances polymerase performance & stability under harsh cycling conditions
 - No DNA contaminations detected with PCR

RECONSTITUTION

Carefully solubilize the lyophilized HotStart Antibody in sterile 50% Glycerol (prepared with PCR Grade dH₂O) 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



Endpoint PCR with & without HotStart Antibody

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.

RELATED PRODUCTS

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

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