


Product Information	
Custom TAB 4-9.2	
Part Number	1077404
Concentration	4 mg/mL
Unit Size	12.5 mL
Storage Temperature	2°C to 8°C
Lot Number	028984
Reference Number	8
Expiration Date	09/30/2020

Product Description:

4.0 mg/mL neutralizing Taq DNA polymerase antibody in 40 mM Tris-HCl (pH 8.0), 80 mM NaCl, 0.2 mM EDTA, 0.01% NaN₃

Product Specifications					
1077404					
Assay	Activity	Purity	Mouse Genomic Contamination	DNase	RNase
Result	Pass	Pass	Pass	Pass	Pass

 For Catherine Conti

Director of Quality Control

Quality Control Analysis and Specifications:

Nuclease Assay:

DNase: DNase activity must be below the detectable limits of 100 pg DNase I equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1.0µg.

RNase: RNase activity must be below the detectable limits of 1 pg RNase A equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1.0µg.

Activity assay for Taq antibody: > 90 inhibition of Taq DNA polymerase activity by 2.5:1 ratio of antibody to Taq pol at 45 °C.

Purity: Coomassie blue / SDS PAGE gel analysis of 5 µg of antibody must present two distinct bands of approx. 25 and 55 kDa with greater than 90% of the total protein present in both bands as determined by densitometry.

Limitations of Use

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This product was developed, manufactured, and sold for *in vitro* use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request.

Mouse genomic DNA: Mouse genomic DNA contamination must be less than 0.01 haploid genome equivalent (copy number) per μg of Taq antibody as determined by real-time PCR assay of the repetitive DNA sequence L1

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