



Magic™ Anti-C. diphtheriae Toxin A Monoclonal antibody, Clone 8G3 (DCAB-TJ134)

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

PRODUCT INFORMATION

Antigen Description	Diphtheria toxin is an exotoxin secreted by <i>Corynebacterium diphtheriae</i> , the pathogen bacterium that causes diphtheria. Unusually, the toxin gene is encoded by a bacteriophage (a virus that infects bacteria). The toxin causes the disease diphtheria in hum
Specificity	Reacts with the epitope exposed on free A subunit and on whole Diphtheria toxin molecule. Does not react with free B subunit of Diphtheria toxin.
Target	<i>C. diphtheriae</i> Toxin A
Immunogen	Diphtheria toxoid.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	<i>C. diphtheriae</i>
Clone	8G3
Affinity Constant	Not Determined
Purification	> 90% pure (SDS-PAGE). Protein A Chromatography
Conjugate	Unconjugated
Applications	Suitable for use in IFA. Detection of Diphtheria toxin A subunit by different immunochemical techniques. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use i Suggested pair for testing (Capture - Detection): DCAB-TJ070 - DCAB-TJ134
Procedure	Matched Antibody Pairs
Format	Purified, Liquid
Concentration	8.6 mg/mL (OD280 nm, E0.1% = 1.4)
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide

Storage	Store at 2-8°C.
Warnings	Centrifuge before opening to ensure complete recovery of vial contents. This product contains sodium azide, which has been classified as Xn (Harmful) in European Directive 67/548/EEC in the concentration range of 0.1-1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

BACKGROUND

Introduction	Corynebacterium diphtheriae is a pathogenic bacterium that causes diphtheria. It is also known as the Klebs-Löffler bacillus, because it was discovered in 1884 by German bacteriologists Edwin Klebs (1834-1912) and Friedrich Löffler (1852-1915).
Keywords	Diphtheria Toxin; Diphtheria Toxin A Subunit
