



# 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

<b>Antigen Description</b>	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
<b>Specificity</b>	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.
<b>Target</b>	C. diphtheriae Toxin A
<b>Immunogen</b>	Diphtheria toxoid.
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	C. diphtheriae
<b>Clone</b>	8G3
<b>Affinity Constant</b>	Not Determined
<b>Purification</b>	> 90% pure (SDS-PAGE). Protein A Chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	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): <a href="#">DCAB-TJ070</a> - DCAB-TJ134

<b>Format</b>	Purified, Liquid
<b>Concentration</b>	8.6 mg/mL (OD280 nm, E0.1% = 1.4)
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Store at 2-8°C.

## 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