



Magic™ Anti-C. diphtheriae Toxin A

Monoclonal antibody, Clone 9B5 (DCAB-TJ070)

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 free A-subunits of Diphtheria toxin. Does not react with the whole Diphtheria toxin and free B- subunits of Diphtheria toxin.
Target	C. diphtheriae Toxin A
Immunogen	Diphtheria toxoid
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	C. diphtheriae
Clone	9B5
Affinity Constant	Not determined
Purification	> 90% pure (SDS-PAGE). Protein A Chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Capture Detection DCAB-T Suggested pair for testing (Capture - Detection): DCAB-TJ070 - DCAB-TJ134

Procedure	Matched Antibody Pairs
Format	Purified, Liquid
Concentration	8.7 mg/mL (OD280 nm, E0.1% = 1.4)
Size	1 mg
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