

Goat Anti-Diphtheria toxin/toxoid Polyclonal Antibody

Goat, Polyclonal (Diphtheria toxin/toxoid)

Cat. No. DPAB1447

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Goat Antibody to Diphtheria toxin/toxoid Fluorescein conjugated

Immunogen: Purified diphtheria toxoid

Specificity: Demonstrated reactivity with purified diphtheria toxin/toxoid

Host animal: Goat

Format: FITC, Liquid

Purification: IgG fraction covalently coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.

Applications: Suitable for use in ELISA and gel techniques. 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.

REFERENCES

1. Bell CE, Eisenberg D (1996). "Crystal structure of diphtheria toxin bound to nicotinamide adenine dinucleotide". *Biochemistry* 35 (4): 1137–1149.
2. TABLE 1. Bacterial virulence properties altered by bacteriophages from Patrick L. Wagner, Matthew K. Waldor (August 2002). "Bacteriophage Control of Bacterial Virulence". *Infection and Immunity* 70 (8): 3985–3993.

BACKGROUND

Introduction: *Corynebacterium diphtheriae* is a gram-positive, nonmotile bacteria found in soil and animal feces. *C. diphtheriae* infect the epithelial cells of the upper respiratory tract from where they produce and secrete a potent toxin. This toxin is absorbed and disseminated through lymph channels and blood to the susceptible tissues of the body.

Keywords: *Corynebacterium diphtheriae* toxoid; Diphtheria Toxin; tox; Diphtheria tox; Actinobacteria; Actinomycetales; Corynebacteriaceae; *Corynebacterium diphtheriae*; *C. diphtheriae*

PACKAGING

Concentration: 4-5mg/ml (OD280nm, E^{0.1%}=1.4)

Buffer: 0.01M PBS, pH 7.2 containing 10mg/ml BSA

Preservative: 0.1% Sodium azide

Storage: Short term (up to 6 months) store at 2-8°C under subdued light. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warning: 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.

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