
Corynebacterium Diphtheriae Toxoid (17.6B9) Antibody**Subcategory:** Mouse Monoclonal Antibody**Cat. No.:** 250347**Unit:** 0.2 mg**Description:**

Corynebacterium diphtheriae is a Gram-positive, non-motile bacterium that can cause serious illness in unvaccinated humans. C. diphtheriae infects the epithelial cells of the upper respiratory tract from where they secrete a potent toxin that is absorbed and disseminated through lymph channels and blood to the susceptible tissues of the body. The toxin is a single protein chain of 62 kDa which is "nicked" at proteolytic processing sites to produce an A chain of 21 kDa and a B chain of 40 kDa, held together by a disulfide bridge. The A-chain carries the ADP-ribosylation enzymatic activity responsible for the toxic action. This antibody reacts with diphtheria toxoid and also neutralizes diphtheria toxin in a VERO cell assay.

Isotype: Mouse IgG1/k**Applications:** E**Species Reactivity:** Cd, Bact**Format:** Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.**Alternate Names:** DT; NAD(+)-diphthamide ADP-ribosyltransferase**Accession No.:** P00588**Antigen:** Diphtheria toxoid prepared from toxin purified from C. diphtheriae subsp. intermedius Park-Williams no. 8 by formaldehyde inactivation (2), and adsorbed to aluminum hydroxide gel.**Application Notes:** Product Cat. No. 250347 reacts strongly with diphtheria toxoid in sandwich ELISA in combination with a polyclonal antibody against the toxoid as capture antibody. The antibody also reacts in ELISA with diphtheria toxoid coated directly onto the microtiter well. Biotinylated Product Cat. No. 250347 can be used as a detection antibody in a sandwich ELISA with Product Cat. No. 250348 used as acapture antibody. E: 1:35,000**Storage:** Store at 4°C. Product is guaranteed 6 months from the date of shipment.

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