
Clostridium tetani Toxoid (14F5) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250421

Unit: 0.1 mg

Description:

Clostridium tetani is a Gram-positive, motile bacterium found in soil and animal feces. Toxigenic strains of *C. tetani* contain a plasmid encoding the potent exotoxin which causes tetanus (lockjaw). The toxin is synthesized as a single 150 kDa protein chain which is cleaved ("nicked") into a 100 kDa heavy chain (fragment B) and a 50 kDa light chain (fragment A) connected by a disulfide bridge. Tetanus toxoid is produced by prolonged incubation of the toxin with formaldehyde and lysine, and is often used as a carrier for compounds of poor immunogenicity. This antibody specifically reacts and neutralizes *Clostridium tetani* toxoid and toxin.

Isotype: Mouse IgG1/k

Applications: E

Species Reactivity: Tt, Bact

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: Tentoxylisin; tetanus toxin; tetX

Accession No.: P04958

Antigen: Tetanus toxoid adsorbed to aluminum hydroxide gel

Application Notes: Product Cat. No. 250421 neutralizes tetanus toxin efficiently enough to protect mice in the in-vivo test of tetanus antitoxin activity. E: 1:8,000

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.