

***Clostridium tetani* Toxin Monoclonal Antibody**

ORDERING INFORMATION

Catalog No.	Clone No.	MAb Subtype	Size
18917	B418M	IgG2a	1mg

Format: Purified antibody in PBS, pH 7.4.

BACKGROUND

Clostridium tetani is an anaerobic, gram-positive, spore-forming rod found in soil and in the intestinal tracts and feces of animals. Most cases of tetanus result *C. tetani* spores entering small puncture wound. Infections remain localized, but systemic damage results from the production of exotoxins that are released when the spores germinate and grow. Tetanus toxin "Tetanospasmin" is one of the most potent toxins known, third only to botulinum toxin and diphtheria toxin. This potent neurotoxin enters peripheral nerves and travels to the central nervous system where it interferes with the release of neurotransmitters, causing muscle contraction and spasm.

SPECIFICATION SUMMARY

Antigen: Toxin purified from culture filtrate of *C. tetani*.

Host Species: Mouse

Accession nos.: P04958, NP_783831

Gene ID: 24255210

Specificity: This antibody recognizes *C. tetani* toxin.

APPLICATIONS

ELISA

Immunoblotting A band of ~150,000 is detected.

Endusers should determine optimal dilutions for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20° to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for use in therapeutic or diagnostic procedures.