

## ***Clostridium tetani* Toxin Monoclonal Antibody**

### **ORDERING INFORMATION**

<b>Catalog No.</b>	<b>Clone No.</b>	<b>MAB Subtype</b>	<b>Size</b>
18916	B416M	IgG1	500ug

**Format:** Purified antibody in PBS, pH 7.4, 0.1% sodium azide.

### **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 at 4°C for short-term storage and 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.*