



Mouse Anti-Tetanus Toxoid (VH 36-60; VK4,5) Monoclonal Antibody, clone 83C0 (CABT- NS1539)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Tetanus Toxoid
Immunogen	Toxoid tetanus
Isotype	IgG2b Clonality: Monoclonal
Source/Host	Mouse
Species Reactivity	C. tetani
Clone	83C0
Purification	Protein G
Conjugate	unconjugated
Applications	ELISA, WB
Format	Liquid
Size	100 µg
Buffer	PBS
Preservative	0.05% Sodium Azide
Storage	Store at -20°C.

BACKGROUND

Introduction	Clostridium tetani is a common soil bacterium and the causative agent of tetanus. Vegetative cells of Clostridium tetani are usually rod-shaped and up to 2.5 µm long, but they become enlarged and tennis racket- or drumstick-shaped when forming spores. C. tetani spores are extremely hardy and can be found globally in soil or in the gastrointestinal tract of animals. If inoculated into a wound, C. tetani can grow and produce a potent toxin, tetanospasmin, which interferes with motor neurons, causing tetanus. The toxin's action can be prevented with tetanus toxoid vaccines, which are often administered to children worldwide. Clostridium tetani is a rod-shaped, Gram-positive bacterium, typically up to 0.5 µm wide and 2.5 µm long. It is motile by way of various flagella that surround its body. C. tetani cannot grow in the presence of oxygen. It grows best at temperatures ranging from 33 to 37°C.
Keywords	Tetanus Toxoid; Clostridium tetani toxoid; Tentoxylisin; Tetanus toxin; tetX