



Mouse Anti-Tetanus Toxoid (VH J558; VK9A) Monoclonal Antibody, clone 46G8 (CABT- NS1537)

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

PRODUCT INFORMATION

Target	Tetanus Toxoid
Immunogen	Toxoid tetanus
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	C. tetani
Clone	46G8
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; Tetoxylisin; Tetanus toxin; tetX