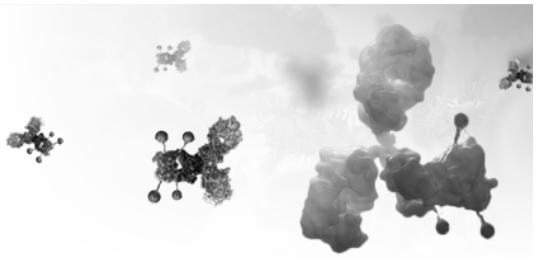

Mouse Anti-Tetanus Toxin Monoclonal Antibody, clone D124 (CABT-NS1533)

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

PRODUCT INFORMATION

Specificity	Reacts with tetanus toxin. Has toxin neutralization activity (in vivo assay).
Target	C. tetani Tetanus Toxin
Immunogen	Supernatant from C. tetani
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	C. tetani
Purification	Protein G
Conjugate	unconjugated
Applications	ELISA, WB, Neut
Format	Liquid
Concentration	4.1 mg/mL (OD280nm, $E^{0.1\%}$ = 1.4)
Buffer	PBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	Store at 2-8°C.

BACKGROUND

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved

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	Clostridium tetani Tetanus Toxin; Clostridium tetani; C. tetani; Clostridiaceae; Clostridium; C. tetani Tetanus Toxin

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved