



# Mouse Anti-Tetanus Toxin Monoclonal Antibody, clone TetF4 (CABT-NS1531)

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

## PRODUCT INFORMATION

<b>Specificity</b>	MAb TetE3 has toxin neutralization activity (in vivo assay)
<b>Target</b>	<i>C. tetani</i> Tetanus Toxin
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	<i>C. tetani</i>
<b>Purification</b>	Protein G
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA, WB
<b>Format</b>	Liquid
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	4°C (2-8°C allowed)

## BACKGROUND

<b>Introduction</b>	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
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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  $\mu\text{m}$  wide and 2.5  $\mu\text{m}$  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.

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**Keywords**

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

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