



# Mouse Anti-Tetanus Toxoid (VH Q52N; VK 12/13) Monoclonal Antibody, clone 6F5 (CABT-NS1538)

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

## PRODUCT INFORMATION

|                    |                    |
|--------------------|--------------------|
| Target             | Tetanus Toxoid     |
| Immunogen          | Toxoid tetanus     |
| Isotype            | IgG2b              |
| Source/Host        | Mouse              |
| Species Reactivity | C. tetani          |
| Clone              | 6F5                |
| 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