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**Antibody to Tetanus Toxoid scFv
RECOMBINANT MONOCLONAL**

Catalog Number: AB-547
Quantity: 2 micrograms, 10 micrograms, 1 milligram
Format: 1×PBS and 50% glycerol
Host: *E. coli*

Background:

Tetanus toxin is the neurotoxin produced by the vegetative spore of *Clostridium tetani* in anaerobic conditions. The toxin moves through the lymphatic and vascular systems, entering the nervous system at neuromuscular junctions, then migrating into the central nervous system by retrograde transport. The interference in the inhibition of motor reflexes results in generalized contractions of agonist and antagonist musculature.

Specificity and Preparation:

Recombinant anti-tetanus produced in *E.coli* is a non-glycosylated, polypeptide chain containing a hexahistidine tag and having a molecular weight of 37 kDa. It is purified by proprietary chromatographic techniques. Purity is greater than 95.0% as determined by RP-HPLC and SDS-PAGE.

Usage and Storage:

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

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