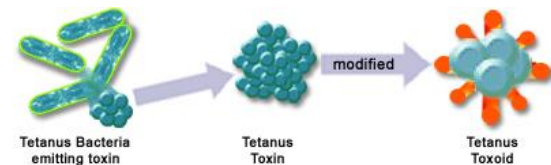


Tetanus Vaccines Antibody ELISA Kits, Recombinant Proteins, Peptides and Antibodies



Tetanus, also called **lockjaw**, is a medical condition characterized by a prolonged contraction of skeletal muscle fibers. The primary symptoms are caused by **tetanospasmin** (also known as **tetanus toxin**); a neurotoxin produced by the Gram-positive, obligate anaerobic bacterium **Clostridium tetani**. Infection generally occurs through wound contamination and often involves a cut or deep puncture wound. As the infection progresses, muscle spasms develop in the jaw (thus the name



"lockjaw") and elsewhere in the body. Infection can be prevented by proper **vaccination** and by post-exposure prophylaxis. Nevertheless, every year 400,000 - 800,000 persons die due to this infection. The majority of these persons live in under-developed countries. Tetanus toxin is inactive inside the bacteria, but when the bacteria die, it is

released and activated by proteases. Ultimately, this produces the symptoms of the disease. Tetanus affects skeletal muscle, a type of striated muscle used in voluntary movement. The other type of striated muscle, cardiac or heart muscle cannot be tetanized because of its intrinsic electrical properties.



Tetanus vaccines available that can be used alone or in combination with other diseases (multivalent). **Trihibit** (DTAP/Hib), **ActHib** (Hib-PRP-T), **Daptacel** (DTAP), **Tripedia** (DTAP), **Td** (Adult), **Decavac™** (tetanus/Diphtheria), **Adacel** (tetanus, Diphtheria, Acellular Pertussis), **DT** (Pediatric)-Sanofi Pasteur; **Pediarix** (DTAP/HepB/IPV), **Infanrix** (DTAP), **Boostrix** (Tetanus, Diphtheria, Acellular Pertussis)- GlaxoSmithKline.

About ADI's Tetanus ELISA Kits-ADI has developed tetanus antibody ELISA Kits for humans and animals that will be useful to determine the efficacy of various existing vaccines and test new vaccines. ADI has also introduced **industry's first ELISA for direct testing of tetanus Toxoid adsorbed on Alum** (for vaccine identification and testing). ELISA kits for antibody subtypes or species not listed can also be provided.

Tetanus Vaccine Related ELISA kits

ELISA Kit Description	Species	IgG Specific Cat#	IgM Specific Cat#	IgA Specific Cat#
Tetanus Vaccine (Anti-Tetanus Toxoid) antibody ELISAs	Human	930-100-TTH	930-105-TTM	930-090-TTA
	Mouse	930-130-TMG	930-140-TMM	930-120-TMA
	Rat	930-150-TMG	930-155-TMG	
	Rabbit	930-210-TRG	930-220-TRM	
	G. Pig	930-310-TGG	930-320-TGM	
	Monkey	930-410-TKG	930-415-TKM	
VacciGel Direct ELISA for the measurement of Tetanus Toxoid (TTX) in Vaccines formulated in Alum , 96 tests, Cat # VAC-TTX-50				
Tetanus Toxoid/Toxin (TTX) ELISA for the measurement TTX in biological buffer, cat # VAC-TTX-310				

Tetanus Vaccine Related Antibodies, Proteins and other Reagents

Catalog#	Product Description	Product Type
RP-343	Recombinant (E.Coli) Anti-Tetanus Toxoid scFv IgG	Antibodies
SP-66125-5	Tetanus toxin (TT) peptide (AA: Gln-Tyr-Ile-Lys-Ala-Asn-Ser-Lys-Phe-Ile-Gly-Ile-Phe-Glu)	Pure Peptide
SP-86741-1	TET 830 modified/T - helper epitope from tetanus toxoid	Pure Peptide
TTOX11-A	Anti-C. tetani Toxin/Toxoid protein IgG	Antibodies
TTOX12-A	Anti-C. tetani purified toxin IgG (tetanus shock toxin)	Antibodies
TTOX13-M	Monoclonal Anti-C. tetani purified toxin/toxoid IgG (tetanus shock toxin)	Antibodies
TTOX14-HP	Monoclonal Anti-C. tetani toxin IgG-HRP Conjugate (100X)	Antibodies
TTOX14-M	Monoclonal Anti-C. tetani purified toxin IgG (tetanus shock toxin)	Antibodies
TTOX15-N-1000	Tetanus Toxoid from C. tetani purified ((700-1200 Lf/ml; cGMP vaccine grade, Low Endotoxin)	Protein
TTOX15-N-25	Tetanus Toxoid from C. tetani purified	Protein
TTOX15-S	Anti-C. tetani purified toxin IgG (tetanus shock toxin)	Antibodies
TTOX16-NC	Mouse Anti-C. tetani toxin light chain IgG negative control serum	Disease serum
TTOX16-PC	Mouse Anti-C. tetani toxin light chain IgG positive control serum	Disease Serum
TTOX17-PC	Mouse Anti-C. tetani toxin Light-chain antibody positive control for ELISA	Disease Serum
TTOX17-R-10	Recombinant purified tetani toxin Light-chain	Pure Protein
TTOX17-S	Anti-C. tetani toxin Light-chain antiserum	Antibodies
TTOX18-A	Anti-C. tetani purified toxin/Toxoid IgG (Tetanus antitoxin, neutralizing, 300 IU/ml)	Antibodies
TTOX19-A	Anti-C. tetani purified toxin/Toxoid IgG (Tetanus antitoxin, neutralizing, 750 IU/ml)	Antibodies
TTOX20-Fab2	Anti-C. tetani purified toxin/Toxoid IgG (Fab2), Tetanus antitoxin (neutralizing)	Antibodies
TTOX21-R-10	Recomb. (P. fluorescens) tetani toxin C-terminal fragment (~52 Kda, >95% pure, low endotoxin)	Pure Protein

Please contact ADI for custom testing of animal and human samples.

Tetanus_Vaccine_Flr.doc Rev. 160611A

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