

Product datasheet for **BP1016**

Clostridium perfringens (Enterotoxin B) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, TOBI
Recommended Dilution:	ELISA. Toxin Binding Inhibition Assay (TOBI).
Reactivity:	Bacteria
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Native Culture filtrates of <i>C. perfringens</i> Type B/C, strains CN1240 and CN3424 (active toxin - Lf: 475 µ/ml, L+: 235 µ/ml).
Specificity:	This antibody detects <i>Clostridium perfringens</i> .
Formulation:	State: Serum State: Liquid Serum without preservatives.
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Ship at 2-8°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Background:	<p><i>Clostridium perfringens</i> is an anaerobic, Gram positive bacterium widely found in soil and the intestinal tract of vertebrates. It is responsible for three clinical syndromes, including gas gangrene, enteritis necroticans (pig-bel), and food poisoning. At least 12 toxins are produced by <i>C. perfringens</i>, including 4 lethal toxins, hemolysins, proteases, neuraminidase, and enterotoxin. The ability of individual strains to produce the 4 lethal toxins forms the basis for a classifications scheme that divides the species into five types; A to E.</p> <p><i>Clostridium perfringens</i> beta toxin is one of the lethal toxins of <i>Clostridium perfringens</i>. It shares sequence homology with the pore-forming <i>Staphylococcus aureus</i> Alpha-toxin, <i>Staphylococcus aureus</i> Gamma-toxin, and <i>Staphylococcus aureus</i> leukocidin.</p>



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