



Recombinant *Bacillus anthracis* anthrax protective antigen (DAGC090)

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

PRODUCT INFORMATION

Species	B. anthracis
Purity	> 90%
Conjugate	Unconjugated
Applications	Anthrax Protective Antigen, <i>Bacillus anthracis</i> , Recombinant, is the protective antigen that mediates the entry of anthrax lethal factor and edema factor into the target cell.
Reconstitution	Reconstituted with sterile deionized or distilled water
Format	Lyophilized
Size	100 µg, 500 µg
Buffer	Lyophilized from 50 mM NaCl, 5 mM HEPES, pH 7.5.
Preservative	None
Storage	Store at +2°C to +8°C. Ok to freeze. Following reconstitution aliquot and freeze (-20°C). Avoid freeze/thaw cycles of solutions. Stock solutions are stable for up to 6 months at -20°C.
Ship	Wet ice

BACKGROUND

Introduction	One of the three protein components of Anthrax toxin, protective antigen (PA) is the central moiety that mediates the entry of lethal factor and edema factor into the target cell. PA binds to the cell surface via a type I membrane protein with a von Willebrand factor A domain called
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anthrax toxin receptor. After proteolytic activation to a 63 kDa fragment, PA self-associates to form a heptameric cation-selective, voltage-gated membrane channel.

Keywords

Anthrax Protective Antigen; Bacillus anthracis; B. anthracis; Bacillus anthracis PA; anthrax PA
