



Anti-B. anthracis polyclonal antibody (DPAB0093)

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

PRODUCT INFORMATION

Product Overview	Goat Antibody to Anthrax (Multi Strain)
Specificity	Detects Ames, Sterne and Vollum strains of Bacillus anthracis. B. anthracis is a rod-shaped gram positive bacterium which causes anthrax, an acute infectious disease resulting in macrophage infection and immune suppression. Anthrax mainly affects ruminants, but can also affect humans.
Immunogen	Gamma inactivated, purified spore preparation of Bacillus anthracis using a mixture of Ames, Sterne and Vollum strains
Source/Host	Goat
Species Reactivity	B. anthracis
Purification	Ion exchange chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Purified, Liquid
Concentration	1mg/ml (OD280nm)
Size	200 µg
Buffer	PBS
Preservative	0.09% Sodium Azide

Storage	Short-term (up to 2 weeks) store at 2–8°C. Long term, store at -20°C. Avoid multiple freeze/thaw cycles.
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BACKGROUND

Introduction	Bacillus anthracis is a rod shaped gram positive bacterium which causes anthrax, an acute infectious disease resulting in macrophage infection and immune suppression. The Ames strain is one of 89 strains of the Bacillus anthracis. It was isolated from a diseased cow that died in Texas in 1981. Researchers at the time mistakenly believed the strain came from Ames, Iowa and mislabeled the specimen. The Ames strain came to wide public attention in association with the 2001 anthrax attacks. Seven letters mailed to media outlets and US Senators on September 18, 2001 and October 9, 2001 contained anthrax bacteria of this particular strain. This strain is a monomorphic disease, mutating slowly if at all.
Keywords	Bacillus anthracis Ames, Sterne and Vollum strains; Anthrax Multi Strain; Bacillaceae; Bacillus; Bacillus anthracis; Anthrax
