



Anti-Bacillus Spore antigen Polyclonal antibody (DPAB0205)

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

PRODUCT INFORMATION

Specificity	Reactive with spores and vegetative cells of <i>Bacillus cereus</i> and <i>Bacillus subtilis</i> . Antiserum is unabsorbed and may cross-react with other <i>Bacillus</i> species.
Target	Bacillus Spore antigen
Immunogen	Purified spores of <i>Bacillus cereus</i> and <i>Bacillus subtilis</i>
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	<i>Bacillus</i>
Purification	95% pure. Protein A chromatography
Conjugate	Unconjugated
Applications	Suitable for use in IFA. 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	4–5mg/ml (OD _{280nm} , E _{0.1%} = 1.4)
Size	1 ml
Buffer	0.01M PBS, pH 7.2; No stabilizing proteins have been added.
Preservative	0.1% Sodium Azide

Storage	Short-term (up to 6 months) store at 2–8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.
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BACKGROUND

Introduction	Bacillus is a genus of Gram-positive rod-shaped bacteria and a member of the division Firmicutes. Bacillus species can be obligate aerobes or facultative anaerobes, and test positive for the enzyme catalase. Ubiquitous in nature, Bacillus includes both free-living and pathogenic species. Under stressful environmental conditions, the cells produce oval endospores that can stay dormant for extended periods. These characteristics originally defined the genus, but not all such species are closely related, and many have been moved to other genera.
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Keywords	Bacteria; Firmicutes; Bacilli; Bacillales; Bacillaceae; Bacillus; Bacillus subtilis; Bacillus spores; Paenibacillaceae; Paenibacillus
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