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AP00731PU-N Polyclonal Antibody to Bacillus cereus/subtilis spores - Purified

Alternate names:	B. cereus
Quantity:	1 ml
Concentration:	4-5 mg/ml (OD280 nm, E0.1% = 1.4)
Background:	<i>Bacillus cereus</i> is a Gram-positive, facultatively aerobic sporeformer whose cells are large rods and whose spores do not swell the sporangium. These and other characteristics, including biochemical features, are used to differentiate and confirm the presence <i>B. cereus</i> , although these characteristics are shared with <i>B. cereus</i> , var. mycoides, B. thuringiensis and B. anthracis. Differentiation of these organisms depends upon determination of motility (most <i>B. cereus</i> are motile), presence of toxin crystals (B. thuringiensis), hemolytic activity (B. cereus and others are beta hemolytic whereas B. anthracis is usually nonhemolytic), and rhizoid growth which is characteristic of <i>B. cereus</i> var. mycoides.
Host:	Rabbit
Immunogen:	Purified spores of <i>Bacillus cereus</i> (ATCC 11778) and <i>Bacillus subtilis</i> (ATCC 9372).
Format:	State: Liquid purified Ig fraction (>95% pure). Purification: Protein A Chromatography. Buffer System: 0.01 M PBS, pH 7.2 containing 0.09% Sodium Azide as preservative without stabilizing proteins.
Applications:	Suitable for use in IFA. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is 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.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

1/1