



Anti-B. burgdorferi Polyclonal antibody (DPAB0185)

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

PRODUCT INFORMATION

Specificity	Reactive Western blot bands at 83kD, 41kD, 34kD and 31kD and additional low MW bands. Cross-reacts with Treponema pallidum, B. hermsii & B. parkerii.
Target	B. burgdorferi
Immunogen	Whole cell preparation from B. burgdorferi.
Source/Host	Rabbit
Species Reactivity	B. burgdorferi
Purification	Covalently coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.
Conjugate	FITC
Applications	Suitable for use in direct IFA, Western blot and immunohistochemistry (formalin fixed/paraffin). 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.
Concentration	4-5mg/ml (OD280nm, E0.1% = 1.4)
Size	1 ml
Buffer	0.01M PBS, pH7.2 containing 10mg/ml BSA
Preservative	0.1% Sodium Azide
Storage	Store (up to 6 months) at 2–8°C under subdued light. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction

Borrelia burgdorferi is a spirochete and the cause of Lyme disease, a tick transmitted illness of humans and animals. *B. burgdorferi* may persist in humans and animals for months or years following initial infection, despite a robust humoral immune response. *B. burgdorferi* resembles other spirochetes in that it is a highly specialized, motile, two-membrane, spiral shaped bacteria which lives primarily as an extracellular pathogen. *B. burgdorferi* has an unusual genome compared with other eubacteria which includes a linear chromosome approximately one megabase in size and numerous linear and circular plasmids.

Keywords

Bacteria; Spirochaetes; Spirochaetales; Spirochaetaceae; *Borrelia*; *Borrelia burgdorferi*; *B burgdorferi*; *B. burgdorferi*; Lyme disease; BORRELIA BURGDORFERI; LYME
