



# Rabbit Anti-*B. burgdorferi* Flagellin Polyclonal antibody (CABT-CS900)

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

## PRODUCT INFORMATION

<b>Specificity</b>	B. burgdorferi Flagellar antigen
<b>Target</b>	B. burgdorferi Flagellar antigen
<b>Immunogen</b>	MBP-fusion protein corresponding to <i>Borrelia burgdorferi</i> Flagellin protein.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	B. burgdorferi
<b>Purification</b>	Protein A
<b>Conjugate</b>	unconjugated
<b>Applications</b>	WB, ELISA, IF
<b>Format</b>	Lyophilized
<b>Size</b>	100 µg
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage</b>	Store vial at 4°C prior to restoration. For extended storage aliquot contents and freeze at -20°C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use.

# BACKGROUND

Introduction	Flagellin is a protein found in the hollow cylinder forming the filament in bacterial flagellum. Its structure is helical, which is important for its function. Studies comparing aflagellate <i>Borrelia</i> to flagellated indicate that the flagella have a role in the invasion of human tissue. The N- and C-termini of flagellin form the inner core of the flagellar filament, and the central portion of the protein makes up the outer surface. While the terminus of the protein is quite similar between all bacterial flagellins, the central portion is variable. The flagellin genes are highly conserved among the different <i>Borrelia</i> species.
Keywords	<i>Borrelia burgdorferi</i> ; B. burgdorferi; B. burgdorferi Flagellar antigen; B. burgdorferi Flagellin