



Rabbit Anti-B. burgdorferi p35 Polyclonal antibody (CABT-CS901)

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

PRODUCT INFORMATION

Specificity	B. burgdorferi p35
Target	B. burgdorferi p35
Immunogen	MBP-fusion protein corresponding to Borrelia burgdorferi p35 protein.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	B. burgdorferi
Purification	Protein A
Conjugate	unconjugated
Applications	WB, ELISA
Format	Lyophilized
Size	100 µg
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative	0.01% (w/v) Sodium Azide
Storage	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

The p35 kDa protein of the spirochete *Borrelia burgdorferi* is being investigated for use as an early diagnostic marker of Lyme Disease. *Borrelia* may change its antigenic composition in its need for adaptation to stresses imposed by changes in conditions from cycling between its arthropod and mammalian hosts. This group of *B. burgdorferi* proteins may be induced in the tick midgut during the feeding event. The p35 protein elicits a protective immunity from wild type *B. burgdorferi*. It has been shown that p35 expression in *B. burgdorferi* is upregulated in the stationary growth phase, and that a temperature of 34°C but not 24°C influenced the expression.

Keywords

Borrelia burgdorferi; *B. burgdorferi*; *B. burgdorferi* p35; *B. burgdorferi* 35 kDa protein