



# Recombinant *Borrelia burgdorferi* Cp Antigen (DAG-WT335)

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

## PRODUCT INFORMATION

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| <b>Purity</b>           | > 90% , as determined by SDS-PAGE                                      |
| <b>Conjugate</b>        | Unconjugated   |
| <b>Applications</b>     | Immunoassays   |
| <b>Molecular Weight</b> | 27 kDa   |
| <b>Format</b>           | Liquid   |
| <b>Concentration</b>    | Batch dependent - please inquire should you have specific requirements |
| <b>Size</b>             | 1 mg   |
| <b>Buffer</b>           | 20 mM Tris-HCl pH 7.5; 10 mM $\beta$ -mercaptoethanol                  |
| <b>Preservative</b>     | None   |
| <b>Storage</b>          | Store at -80°C. Avoid multiple freeze/thaw cycles.                     |

## BACKGROUND

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| <b>Introduction</b> | Borrelia burgdorferi are bacterial species of the spirochete class in the genus <i>Borrelia</i> , some of which cause Lyme borreliosis (also known as Lyme disease) in humans. The name <i>Borrelia burgdorferi</i> refers to two different concepts: <i>B. burgdorferi</i> sensu stricto is a specific bacterial genospecies and <i>B. burgdorferi</i> sensu lato is the species complex containing the etiological agents of Lyme disease. The complex currently comprises 20 accepted and 3 proposed genospecies. <i>B. burgdorferi</i> sensu stricto exists in North America and Eurasia and until 2016 was the only known cause of Lyme disease in North America ( <i>Borrelia mayonii</i> , found in the |
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midwestern US, and *B. bissettiae* are also known to cause the disease).

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**Keywords**

Borrelia burgdorferi; Ct antigen; OspC

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