



# Recombinant *B. burgdorferi* DbpB [His] (DAG2664)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Recombinant <i>Borrelia burgdorferi</i> DbpB antigen. Expressed in <i>E. coli</i> bacterial cells. Full-length cDNA coding for <i>Borrelia burgdorferi</i> DbpB fused to a hexahistidine purification tag.
<b>Species</b>	<i>B. burgdorferi</i>
<b>Conjugate</b>	His
<b>Applications</b>	ELISA
<b>Format</b>	Liquid
<b>Buffer</b>	neutral to slightly alkaline pH and 20 % glycerol as cryoprotective agent.
<b>Preservative</b>	None
<b>Storage</b>	Store at -70°C or below. Aliquot to avoid repeated freezing and thawing.

## BACKGROUND

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