

Product datasheet for **AM05424PU-N**

Borrelia burgdorferi Mouse Monoclonal Antibody [Clone ID: Bss42 (BGN/F44/42)]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Bss42 (BGN/F44/42)
Applications:	ELISA, WB
Recommended Dilution:	Western Blot. ELISA.
Reactivity:	Borrelia burgdorferi
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Native
Specificity:	This antibody recognizes <i>Borrelia burgdorferi</i> , a gram-negative spirochete that is a causative agent of lyme disease in humans.
Formulation:	PBS containing 0.09% Sodium Azide as preservative State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Background:

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.