

BM3196

Monoclonal Antibody to Borrelia burgdorferi OspA - Purified

Alternate names:	Outer surface protein A
Quantity:	1 mg
Concentration:	0.1 mg/ml (OD280 nm, E0.1% = 1.3)
Background:	<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.
Uniprot ID:	Q09086
NCBI:	139
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	AM03095PU-N
Clone:	5015
Immunogen:	<i>Borrelia burgdorferi</i> whole bacteria
Format:	State: Liquid purified Ig fraction (>90% pure). Purification: Protein A Chromatography. Buffer System: 0.01M PBS, pH 7.2 containing 0.09% Sodium Azide as preservative without stabilizing proteins.
Applications:	ELISA: 1/20-1/200 . Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Specific for the 28 kDa (Osp A) protein of <i>Borrelia burgdorferi</i>
Storage:	Store undiluted at 2-8°C. DO NOT FREEZE! Shelf life: one year from despatch.
General Readings:	1. Marques AR, Hornung RL, Dally L, Philipp MT. Detection of immune complexes is not independent of detection of antibodies in Lyme disease patients and does not confirm active infection with <i>Borrelia burgdorferi</i>. Clin Diagn Lab Immunol. 2005 Sep;12(9):1036-40. PubMed PMID: 16148168.