

Mouse *Borrelia burgdorferi* Monoclonal Antibody

Borrelia burgdorferi (p41 Flagellin)

CATALOG # AAA215324	HOST Mouse	REACTIVITY <i>Borrelia burgdorferi</i>	APPLICATIONS Immunofluorescence, ELISA
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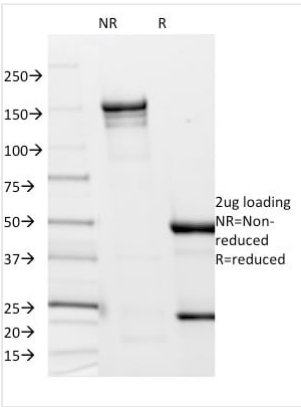
PRODUCT SYNONYMS

Borrelia burgdorferi; Monoclonal Antibody; *Borrelia burgdorferi* (p41 Flagellin); Lyme disease; B. burgdorferi; Flagellar filament 41kDa core protein; anti-*Borrelia burgdorferi* antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	<i>Borrelia burgdorferi</i>
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	6802
Specificity	This MAb recognizes <i>Borrelia burgdorferi</i> , and is specific for the p41 flagellar antigen (Flagellin). <i>Borrelia burgdorferi</i> is a species of bacteria of the spirochete class of the genus <i>Borrelia</i> . B. Lyme disease is a vector-borne, multisystem inflammatory disease caused by the spirochete <i>Borrelia burgdorferi</i> , which is transmitted to humans by the bite of ticks of the Ixodes ricinus complex. B. burgdorferi is divided into at least 11 species including <i>Borrelia burgdorferi sensu stricto</i> . B. burgdorferi sensu stricto resides in the cerebrospinal fluid of mammals in Europe and the United States and is most often associated with Lyme arthritis. 'B. burgdorferi sensu stricto commonly undergoes genome-wide genetic exchange, including plasmid transfers. This frequent recombination implies a potential for rapid adaptive evolution as well as a possible polygenic basis of B. burgdorferi sensu stricto pathogenicity.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti- <i>Borrelia burgdorferi</i> antibody	IF (Immunofluorescence), ELISA
Positive Control	<i>Borrelia burgdorferi</i> extract or infected cells. Tissue.
Immunogen	A crude sonicate of <i>Borrelia</i> spirochetes
Cellular Localization	Whole organism
Preparation and Storage	Antibody without azide: store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis Purified *Borrelia burgdorferi* (p41 Flagellin) (6802). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Busch, U., et al. Microbiol. 34: 1072-1078.
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NCBI AND UNIPROT INFORMATION

Molecular Weight	41kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/borrelia-burgdorferi-antibody-clone-6802-immunofluorescence-elisa/215324>