9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-3700: Anti-Borrelia burgdorferi (p41 Flagellin) Monoclonal Antibody(Clone: 6802)

Clonality :	Monoclonal
Clone Name :	6802
Application :	ELISA,IF
Alternative Name :	Lyme disease; B. burgdorferi; Flagellar filament 41kDa core protein
Isotype :	Mouse IgG2a, kappa
Immunogen Information :	A crude sonicate of Borrelia spirochetes

Description

This MAb recognizes Borrelia burgdorferi, and is specific for the p41 flagellar antigen (Flagellin). Borrelia burgdorferi is a species of bacteria of the spirochete class of the genus Borrelia. B. Lyme disease is a vector-borne, multisystem inflammatory disease caused by the spirochete Borrelia burgdorferi, 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 Borrelia burgdorferi sensu stricto. 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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (For coating use Ab at 1-5ug/ml, order Ab without BSA);Immunofluorescence (1-2ug/ml);

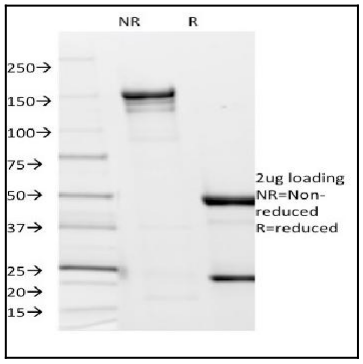


Fig. 1: SDS-PAGE Analysis Purified Borrelia burgdorferi (p41 Flagellin) (6802). Confirmation of Integrity and Purity of Antibody.

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