Borrelia burgdorferi Antibody (p41 Flagellin) [clone 6802] (V8281)

Catalog No.	Formulation	Size
V8281-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8281-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8281SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Borrelia burgdorferi
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	6802
Purity	Protein G affinity chromatography
Applications	ELISA (order BSA-free format for coating) Immunofluorescence
Limitations	This Borrelia burgdorferi antibody is available for research use only.



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.

Application Notes

Optimal dilution of the Borrelia burgdorferi antibody should be determined by the researcher.

Immunogen

A crude sonicate of Borrelia spirochetes was used as the immunogen for this Borrelia burgdorferi antibody. This mAb recognizes Borrelia burgdorferi, and is specific for the p41 flagellar antigen (Flagellin).

Storage

Store the Borrelia burgdorferi antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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