

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

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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).