



Product Datasheet

IgY - Anti-Borrelia burgdorferi antibody

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only for professional use

Article No.: ABYB 1110	Lot No./ Charge: (see product label)	Quantity: 1 mg / 1 mg/ml
Product name: IgY - Anti-Borrelia burgdorferi antibody		
Lyme disease is transmitted to humans by the bite of infected ticks of the Ixodes genus. Usually, the tick must be attached for 36 to 48 hours before the bacteria can spread. In North America, Borrelia burgdorferi sensu stricto is the cause. In Europe and Asia, the bacteria <i>Borrelia afzelii</i> and <i>Borrelia garinii</i> are also causes of the disease. Diagnosis is based upon a combination of symptoms, history of tick exposure, and possibly testing for specific antibodies in the blood. Blood tests are often negative in the early stages of the disease. Testing of individual ticks is not typically useful.		
Immunogen	<i>Borrelia burgdorferi</i>	
Host	chicken	
Isotype	immunoglobulin Y (IgY) – egg yolk	
Purification	ammonium sulphate precipitation	
Format	powder/liquid	
Buffer	no/ PBS with 0.1 % sodium azide	
Storage	shipped at 4°C, store at -20°C	
Applications	<i>in vitro</i> diagnostics: ELISA, agglutination-test, Dot, Rapid-Test and other applications	
Proteine concentration	estimated by Bradford method	
Molecular weight estimation	SDS-PAGE (BioRad)	

Application (only for *in vitro* diagnostics): This product is for Research and Development use only. It must not be used as a remedy and not as an *in vivo* application. Foam or bubble development should be avoided. Any unused stock solution must then be divided into aliquots and frozen at -20°C. Repeated freezing and thawing is not recommended. For optimal immunoassay application we recommend to perform a chessboard titration (CBT) to avoid false-positive results.

Bochum, November 2016

approved: _____
(signature)