



# Product Datasheet

## IgY - Anti-Borrelia afzelii antibody

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## Only for professional use

<b>Article No.:</b> ABYB1120	<b>Lot No./ Charge:</b> (see product label)	<b>Quantity:</b> 1 mg / 1 mg/ml
<b>Product name:</b> IgY -Anti-Borrelia afzelii 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 Europe and Asia, the bacteria <i>Borrelia afzelii</i> and <i>Borrelia garinii</i> are also causes of the disease. In North America, <i>Borrelia burgdorferi sensu stricto</i> is the cause. 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.		
<b>Immunogen</b>	Borrelia afzelii Antigen	
<b>Host</b>	Chicken	
<b>Isotype</b>	Immunoglobulin Y (IgY) – egg yolk	
<b>Purification</b>	Ammonium sulphate precipitation	
<b>Format</b>	powder/liquid	
<b>Buffer</b>	no/ PBS with 0.1 % sodium azide, Stabilizer	
<b>Storage</b>	shipped at 4°C, store at -20°C	
<b>Applications</b>	Research in in vitro diagnostics: ELISA, Agglutination-test, Dot, Rapid-Test and other applications	
<b>Proteine concentration</b>	estimated by Bradford method	
<b>Molecular weight estimation</b>	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 2019

approved

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