

Borrelia Afzelii p100

Borrelia Afzelii Outer Surface Protein p100 Recombinant
VAG0011

Product Overview

Name Borrelia Afzelii p100

Description

Borrelia Afzelii Outer Surface Protein p100 Recombinant

Synonyms

Decorin binding protein A, dbpA.

Introduction

Borrelia is a part of a genus of bacteria of the spirochete phylum. Borrelia causes borreliosis, which is a zoonotic, vector-borne disease transmitted mainly by ticks and some by lice, depending on the species. Borreliella bavariensis is one of the pathogens of the Borreliella burgdorferi sensu lato complex which causes Lyme disease. Decorin binding protein A (DbpA), also known as Osp17 or p17 is expressed during the mammalian phase of infection. DbpA binds the pathogen to host collagen-associated proteoglycan decorin.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

Borrelia Bavariensis DbpA is supplied in 20mM HEPES buffer pH-7.6, 250mM NaCl and 20% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Purity

Greater than 80.0% as determined by SDS-PAGE.

Applications

Western blot with Patient sample.

Immunological functions

1. Binds IgG- and IgM-type human antibodies. 2. Immunodot test with Lyme disease positive/negative patient samples.

Precautions

Borrelia Afzelii p100 is for research use only and not for use in diagnostic or therapeutic procedures.

