



Babesia microti profilin-like protein

Datasheet, Version 2/2016

protean
On the bow of top biotechnology

Catalog #	2127
Synonyms	Profilin Antigen
Type	Recombinant
Source	E. coli
Species	Babesia micoti
Tag	GST
Form	Liquid
Purity	>95% by SDS PAGE
Shipping	Ice pack

Introduction

Babesia parasites are obligate intraerythrocytic protozoa capable of invading a wide range of vertebrate hosts. Babesia microti has emerged as a new life-threatening zoonosis in the world causing a disease in humans and rodents. The infection is usually asymptomatic. However, immunocompromised and elder people may develop moderate to serious symptoms.

Description

Profilin is a soluble cytoplasmic protein that plays a key regulatory role in actin polymerization. It represents an essential component of all apicomplexan parasites, which helps the parasite to invade host cells using an actin-dependent gliding motility.

Application

ELISA, Western blot, LIA, Protein arrays

Purification method

Affinity chromatography.

Formulation

Liquid, does not contain glycerol. Protein conc. 2 mg/ml. MW 441Da including GST tag.

Specificity

Highly immunoreactive fusion protein containing C-terminal part of Profilin antigen (XM_021481611.1: 85..495nt). MW 41 kDa with GST (Profilin alone MW 15kDa).

Storage

-80C. Aliquot upon arrival.

Analyte specific reagent (ASR) manufactured under ISO 13485.