



Datasheet, Version 2/2016

Catalog # 2127

Synonyms Profilin Antigen Type Recombinant

Source E. coli

Babesia micoti Species

GST Tag 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. **Country of origin: Czech Republic**

