

## Product datasheet

# Recombinant *Treponema pallidum* p47 protein (Beta-Galactosidase) ab51323

### Overview

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<b>Product name</b>	Recombinant <i>Treponema pallidum</i> p47 protein (Beta-Galactosidase)
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli
<b>Amino Acid Sequence</b>	
<b>Additional sequence information</b>	Fused with $\beta$ -galactosidase at the N-terminus.

### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab51323** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Biological activity</b>	Reacts strongly with human <i>T. pallidum</i> positive serum.
<b>Applications</b>	SDS-PAGE Flow Cytometry Western blot ELISA
<b>Purity</b>	> 95 % SDS-PAGE. Purity of proteins is evaluated by SDS-PAGE, by measuring optical density at 280 nm and by method of Bradford et al.
<b>Form</b>	Liquid
<b>Additional notes</b>	Reacts strongly with human <i>T. pallidum</i> positive serum.

### Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.  pH: 8.00 Constituents: 48% Urea, 0.078% Beta mercaptoethanol, 0.316% Tris HCl
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## General Info

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### Relevance

*Treponema pallidum* is the causative agent of syphilis. It is a gram negative spirochete, a helical to sinusoidal bacterium with outer and cytoplasmic membranes, a thin peptidoglycan layer, and periplasmic flagella.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

## Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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