

## Product datasheet

# Recombinant Treponema Membrane Protein A (Beta-Galactosidase) ab54101

### Overview

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<b>Product name</b>	Recombinant Treponema Membrane Protein A (Beta-Galactosidase)
<b>Protein length</b>	Full length protein

### Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Escherichia coli

### Amino Acid Sequence

<b>Additional sequence information</b>	Fused with $\beta$ -galactosidase at the N-terminus.
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### Specifications

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Our [Abpromise guarantee](#) covers the use of **ab54101** 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 T. pallidum positive serum.
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<b>Applications</b>	Western blot
	ELISA
	Flow Cytometry
	SDS-PAGE

<b>Purity</b>	> 95 % SDS-PAGE.
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<b>Form</b>	Liquid
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<b>Additional notes</b>	Reacts strongly with human T. pallidum positive serum.
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### 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.
	Preservative: None
	Constituents: 8M Urea, 20mM Tris HCl, 10mM Beta mercaptoethanol, pH 8

## General Info

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### Relevance

Treponema pallidum is a gram-negative spirochaete bacterium and is considered to be metabolically crippled. There is no vaccine for syphilis. The outer membrane of T. pallidum has too few surface proteins for an antibody to be effective. Efforts to develop a safe and effective syphilis vaccine have been hindered by uncertainty about the relative importance of humoral and cellular mechanisms to protective immunity and the fact that T. pallidum outer membrane proteins have not been unambiguously identified.

### Cellular localization

Cell Membrane

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

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- Replacement or refund for products not performing as stated on the datasheet
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- We provide support in Chinese, English, French, German, Japanese and Spanish
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