

Product datasheet

Recombinant Treponema Membrane Protein A (Beta-Galactosidase) ab54101

Overview

Product name	Recombinant Treponema Membrane Protein A (Beta-Galactosidase)
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Additional sequence information	Fused with β -galactosidase at the N-terminus.
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Specifications

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.

Biological activity	Reacts strongly with human T. pallidum positive serum.
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Applications	Western blot
	ELISA
	Flow Cytometry
	SDS-PAGE

Purity	> 95 % SDS-PAGE.
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Form	Liquid
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Additional notes	Reacts strongly with human T. pallidum positive serum.
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Preparation and Storage

Stability and Storage	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

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

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