

Product datasheet

Recombinant Treponema Membrane Protein A (Beta-Galactosidase) ab54101

Description

Product name	Recombinant Treponema Membrane Protein A (Beta-Galactosidase)
Biological activity	Reacts strongly with human T. pallidum positive serum.
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Additional sequence information	Fused with β -galactosidase at the N-terminus.
Description	Recombinant Treponema Membrane Protein A (Beta-Galactosidase)

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.

Applications	Western blot ELISA Flow Cytometry SDS-PAGE
Form	Liquid
Additional notes	Reacts strongly with human T. pallidum positive serum.

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. pH: 7.2 Constituents: 48% Urea, 0.078% Beta mercaptoethanol, 0.316% Tris HCl
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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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