

Recombinant Treponema Pallidum Major Membrane Immunogen p41

Catalog No.	CSI14099	Quantity:	100 µg
Description:	The protein contains the <i>Treponema pallidum</i> p41 immunodominant regions.		
Source:	<i>E. coli</i>		
Formulation:	Liquid. Supplied in 10 mM Tris-HCl pH 8.0 + 1 mM EDTA + 1 mM DTT and 8 M urea.		
Purity:	>90% by SDS-PAGE		
Purification:	The protein is purified by proprietary chromatographic technique.		
Specific Activity:	Immunoreactive with sera of <i>T. pallidum</i> infected individuals.		
Application:	Antigen in ELISA and Western blots, excellent antigen for detection of <i>T. pallidum</i> with minimal specificity problems.		
Storage & Stability:	Stable for 1 year in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.		
Background:	Syphilis is a chronic, complex sexually transmitted disease of humans caused by the spirochetal bacterium <i>Treponema pallidum</i> . Humans are the only known reservoir for <i>T. pallidum</i> . Primary syphilis was characterized by considerable prevalence of IgG to protein p41 with the total antibody level being low, while early latent syphilis was characterized mainly by considerable prevalence of IgG to protein p17 in the presence of high titers of antibodies.		

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