

Recombinant Treponema Pallidum p41 Antigen, GST-tagged

Cat.No:DAG546

Lot. No. (See product label)

PRODUCT INFORMATION

Storage	store at -20oC. Avoid multiple freeze/thaw cycles.
Antigen Description	Recombinant fragment. The protein contains the Tr. pallidum p41 immunodominant regions. Syphilis is a chronic, complex sexually transmitted disease of humans caused by the spirochetal bacterium Treponema pallidum. Primary syphilis is characterized by the prevalence of IgG to protein p41 with the total antibody level being low, while early latent syphilis is characterized mainly by prevalence of IgG to protein p17 in the presence of high titers of antibodies.
Source	E. coli.
Buffer	10mM Tris-HCl, pH 8.0, 1mM EDTA, 20mM DTT, 8M urea
Concentration	1mg/ml
Applications	Suitable for use in ELISA and Western blot. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Form	Purified, Liquid
Preservative	None
Purity	>90% pure (10% PAGE coomassie staining). Inclusion bodies
Key words	T. pallidum; T. pallidum p41 Ag; Treponema pallidum p41 Antigen; Spirochaetaceae; Treponema

Background

Introduction	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.
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