

Treponema pallidum

Syphilis, caused by *Treponema pallidum*, affects 36 million people globally, with 11 million new cases annually. Since isolating *T. pallidum* in 1912, it remains a major health challenge.

T. pallidum is a highly specialized, helically coiled bacterium, measuring 6–15 μm in length and 0.1–0.2 μm in width. Despite its simplicity, its stealthy biology underpins its ability to evade the immune system and sustain chronic infections. The proteome of *T. pallidum* comprises 998 proteins, among which several have been leveraged for diagnostic and therapeutic purposes. Diagnostic markers such as Tpn15, Tpn17, and Tpn47 are widely used to detect the presence of *T. pallidum*. Additionally, proteins like Tp0954, Tp0751, TprK, and Tp0435 have been identified as promising vaccine candidates, offering hope for future prevention strategies.

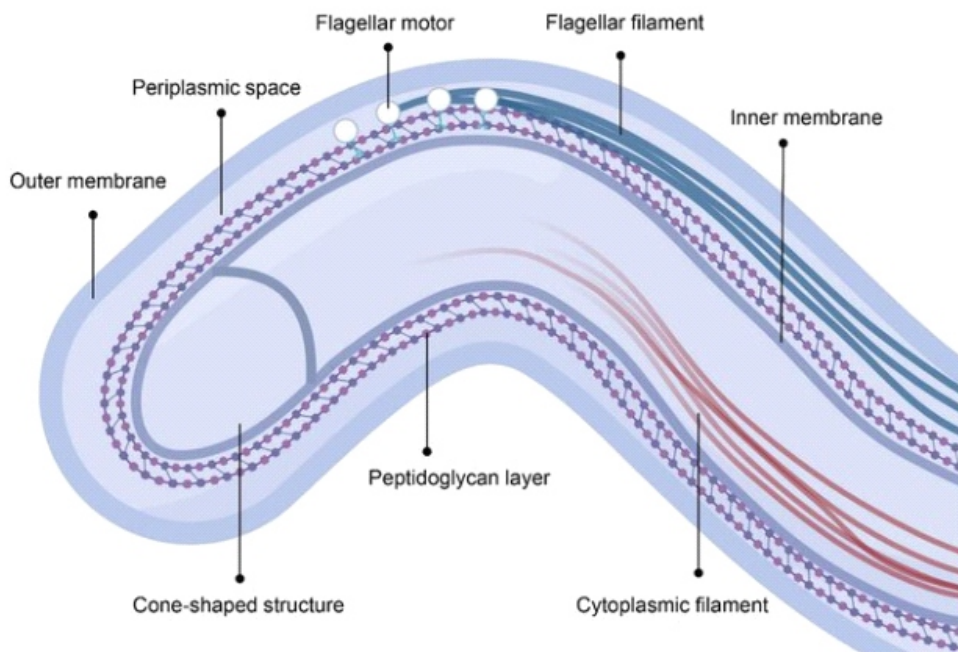


Fig.1 The cellular architecture of *T. pallidum*

At Abinscience, we are dedicated to advancing the understanding of *T. pallidum* and accelerating the development of innovative diagnostics and vaccines. Through cutting-edge research and collaboration, we strive to make a lasting impact on global health.

Protein

Catalog No.	Product Name
JN906012	Recombinant Treponema pallidum/TP TPF1/Antigen 4D Protein, C-His
JN980012	Recombinant Treponema pallidum/TP TPP17/17 kDa lipoprotein Protein, N-GST
JN894012	Recombinant Treponema pallidum/TP TPP15 & tmpA & TPP47 Protein, C-His
JN038012	Recombinant Treponema pallidum/TP TPP47 Protein, C-His
JN858012	Recombinant Treponema pallidum/TP tmpA Protein, C-His
JN939012	Recombinant Treponema pallidum FlaB3 Protein, N-His-SUMO

Polyclonal Antibody

Catalog No.	Product Name
JN906014	Anti-Treponema pallidum TPF1/Antigen 4D Polyclonal Antibody
JN939014	Anti-Treponema pallidum FlaB3 Polyclonal Antibody
JN858014	Anti-Treponema pallidum tmpA Polyclonal Antibody
JN038014	Anti-Treponema pallidum TPP47 Polyclonal Antibody
JN980014	Anti-Treponema pallidum TPP17 Polyclonal Antibody

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