



Recombinant Treponema pallidum p47 [His] (DAG-WT1057)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Treponema pallidum p47 derived from full length TPN47 gene is fused to a 6xHis tag at C-terminus
Conjugate	His
Applications	Immunoassays
Molecular Weight	47.7kDa
Format	Liquid
Concentration	3mg/mL
Size	100 µg, 500 µg, 1 mg
Buffer	PBS and 25mM Potassium carbonate
Preservative	None
Storage	Store at -20°C

BACKGROUND

Introduction	Treponema pallidum is a gram-negative spirochaete bacterium and is considered to be metabolically crippled. There are at least four known subspecies: T. pallidum pallidum, T. pallidum pertenue, T. pallidum carateum and T. pallidum endemicum. The helical structure of T. pallidum pallidum allows it to move in a corkscrew motion through viscous mediums such as mucus. Treponema pallidum sub sp. pallidum has one of the smallest bacterial genomes at 1.14 million base pairs (Mb) and has limited metabolic capabilities, reflecting its adaptation
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through genome reduction to the rich environment of mammalian tissue.

Keywords

T. pallidum; Treponema pallidum; T. pallidum p47; Syphilis
