



# Anti-T. pallidum Polyclonal antibody[Biotin] (DPBT-66959RT)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Anti Treponema Pallidum,BiotinRabbit Anti Treponema Pallidum,Biotin
<b>Target</b>	T. pallidum
<b>Immunogen</b>	Highly purified T. pallidum
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	T. pallidum
<b>Conjugate</b>	Biotin
<b>Applications</b>	IHC, IF
<b>Format</b>	Purified IgG conjugated to Biotin - liquid
<b>Concentration</b>	IgG concentration 4.0mg/ml
<b>Size</b>	1 ml
<b>Buffer</b>	Phosphate buffered saline
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	Store at +4 °C or at -20 °C if preferred.Storage in frost-free freezers is not recommended.This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

# BACKGROUND

Introduction	Treponema pallidum is a species of spirochaete bacterium with subspecies that cause treponemal diseases such as syphilis, bejel, pinta and yaws. The treponemes have a cytoplasmic and outer membrane. They are not seen on a Gram stained smear because the organism is too thin to be observed under a light microscope. The recent sequencing of the genomes of several spirochetes permits a thorough analysis of the similarities and differences within this bacterial phylum. Treponema pallidum subsp. pallidum has one of the smallest bacterial genomes at 1.14 million base pairs (Mb), and has limited metabolic capabilities, reflecting its adaptation through genome reduction to the rich environment of mammalian tissue. The shape of Treponema pallidum is flat and wavy, unlike the other spirochetes, which are helical.
Keywords	Spirochaetes; Spirochaetales; Spirochaetaceae; Treponema; T. pallidum; Treponema pallidum