



# Anti-T. pallidum Polyclonal antibody (DPAB0150)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Recognizes all antigens. Non-reactive in RPR assay. This antibody has not been absorbed and may react with related microorganisms.
<b>Target</b>	T. pallidum
<b>Immunogen</b>	Highly purified T. pallidum
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	T. pallidum
<b>Purification</b>	95% pure. The IgG fraction of the above antiserum covalently coupled with the N-Hydroxysuccinimide ester of biotin under mild conditions to give a high degree of substitution.
<b>Conjugate</b>	Biotin
<b>Applications</b>	Suitable for use with avidin and streptavidin amplification systems for fluorescence microscopy and immunohistochemistry (paraffin-embedded sections). 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.
<b>Concentration</b>	4-5mg/ml (OD280nm, E0.1% = 1.4)
<b>Size</b>	1 ml
<b>Buffer</b>	0.01M PBS, pH 7.2. This product contains no stabilizing proteins.
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Short-term (up to 6 months) store at 2-8°C. Long term, aliquot and store at -20 C. Avoid multiple freeze/thaw cycles.

# 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.
Keywords	Bacteria; Spirochaetes; Spirochaetales; Spirochaetaceae; Treponema; T. pallidum; Treponema pallidum