

T.pallidum TmpA

Description: The E.Coli derived recombinant protein contains the T.Pallidum TmpA immunodominant regions. The protein contains beta- galactosidase (114 kDa) fused at the N-terminus.

Catalog #: TRPS-257

Purity: Treponema Pallidum protein is >90% pure as determined by 10% PAGE (coomassie staining).

For research use only.

Purification Method:

Treponema Pallidum protein was purified by proprietary chromatographic technique.

Specificity:

Immunoreactive with sera of T.Pallidum infected individuals.

Formulation:

8M urea, 20mM Tris-HCl pH-8 & 10mM B-ME.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

Treponema Pallidum protein binds to murine anti-TmpA protein monoclonal antibodies and Treponema pallidum converted human serum polyclonal antibodies in ELISA and Western Elisa. Dot Blots and Lateral Flow immunochromatographic diagnostics test.

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 through genome reduction to the rich environment of mammalian tissue.

Storage:

Treponema Pallidum protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

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