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T.pallidum p41 Mosaic

Description: The E.coli derived recombinant protein contains the outer membrane T.Pallidum p41 immunodominant regions. The protein is fused with a GST tag.

Catalog #:TRPS-251

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.

Specificty:

Immunoreactive with sera of T.Pallidum infected individuals.

Formulation:

25mM Tris-HCl pH-8, 60mM NaCl & 50% glycerol.

Usage:

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

Applications:

Treponema Pallidum protein is suitable for ELISA and Western blots, excellent antigen for detection of T. Pallidum with minimal specificity problems.

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 throµgh 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 throµgh genome reduction to the rich environment of mammalian tissue.

Storage:

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

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