

T.pallidum p47

Description: The E.Coli derived recombinant protein contains the T.Pallidum p47 immunodominant regions. The protein contains beta-galactosidase (114 kDa) fused at the N-terminus.

Catalog #: TRPS-250

For research use only.

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

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 and 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 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 through viscous mediums such as mucus. 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.

Storage:

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

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