

## OriGene Technologies Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850 UNITED STATES Phone: +1-858-888-7900 Fax: +1-858-888-7904 <u>US-info@acris-antibodies.com</u>

## AR10498PU-N OriGene EU

OriGene EU Acris Antibodies GmbH

Schillerstr. 5 32052 Herford GERMANY Phone: +49-5221-34606-0 Fax: +49-5221-34606-11 info@acris-antibodies.com

## Treponema pallidum p17 - Purified **Catalog No.:** AR10498PU-N **Quantity:** 0.5 mg **Concentration:** 1.0 mg/ml **Background:** 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. Source: E. coli **Purity:** >90% pure as determined by 10% PAGE (coomassie staining). Format: Purification Method: Inclusion bodies. Buffer System: 10mM Tris-HCl pH 8.0, 1mM EDTA, 1mMDTT, 8M Urea Antigen in ELISA and Western blots, excellent antigen for detection of Tr.pallidum with **Applications:** minimal specificity problems. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. **Description:** The E.coli derived recombinant protein contains the Tr.pallidum p17 immunodominant regions. Specificity: Immunoreactive with sera of Tr.pallidum -infected individuals. Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Storage: Avoid repeated freezing and thawing. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request. Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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