

Treponema Pallidum Antibody

Purified

Hybridoma Monoclonal Antibody

Product Information

Product No.: T818

Clone: TPAL-6274

Isotype: Mouse IgG2b

Storage: Sterile 2-8°C

Product Description

Specificity:

Anti-Treponema pallidum (Clone TPAL-6274) is specific for the immunodominant Tp47 protein of T. pallidum. This antibody does not cross react with Borrelia burgdorferi.

Background:

Treponema pallidum is a Gram-negative spirochete that is the causative agent of the STI syphilis. Untreated syphilis typically has four stages, each marked with different symptoms. During late stages of infection, syphilis can lead to serious complications involving the nervous system, cardiovascular system, and other organs such as the eyes and ears. Syphilis can be passed from mother to child during both pregnancy and childbirth, leading to serious effects including miscarriages & stillbirths. Disease can also cause potential birth defects such as deformed bones, anemia, meningitis and deafness or blindness. Tp47 (p47) is a 47-kDa lipoprotein of T. pallidum that is strongly immunogenic. It has been shown to be an abundant penicillin-binding protein (PBP) in T. pallidum that is used in serological diagnostic screening.

Known Reactivity Species:

Treponema pallidum

Format:

Purified

Formulation

Formulated in 0.01 M phosphate buffered saline, pH 7.2 and contains 0.1% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.

Purity

≥90%

Storage and Stability

This purified antibody is stable when stored at 2-8°C. Do not freeze.

Product Preparation

This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

ELISA: 1:20-1:200,

IF: 1:10-1:50,

WB

Country of Origin

USA