

12-8380: Anti-Treponema pallidum, Tp47 (TPAL-6317)

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| Clonality : | Monoclonal |
| Clone Name : | TPAL-6317 |
| Application : | ELISA |
| Alternative Name : | Hybridoma Monoclonal Antibody |
| Isotype : | Mouse IgG2b |

Description

Specificity: Anti-Treponema pallidum (Clone TPAL-6317) is specific for the immunodominant Tp47 protein of T. pallidum. This antibody does not cross react with Borrelia burgdorferi.

Antigen: Tp47

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.

Product Info

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| Amount : | 250µg |
| Purification : | Purity :>=90% Preparation : This monoclonal antibody is purified by protein A chromatography or sequential differential precipitations. Concentration: >=1.0 mg/ml |
| Content : | 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. |
| Storage condition : | This purified antibody is stable when stored at 2-8°C. Do not freeze. |

Application Note

ELISA: 1:20-1:200,IF: 1:10-1:50,WB