Treponema pallidum

Format	Catalogno.	Pack size	Dilution
Concentrated	GB-c135A,B,C	0.1, 0.5, 1.0 mL	1 : 100
Prediluted	GB-p135AA	6.0	Ready to use

PRODUCT DESCRIPTION -

The *Treponema pallidum* Primary Antibody is a highly specific antibody designed for the detection and identification of *Treponema pallidum*, the spirochete bacterium responsible for syphilis. This antibody is essential for research, clinical diagnostics, and educational purposes related to syphilis and related diseases.

INTENDED USE –

This primary antibody is designed for research and diagnostic applications to detect and identify *Treponema pallidum*, the bacterium responsible for syphilis. It can be used in various immunological techniques, including:

1. Immunohistochemistry(IHC):Forvisualizationof*T.pallidum*intissue sections.
2. Enzyme-LinkedImmunosorbentAssay(ELISA):Toquantifyspecific antibodies against *T. pallidum* in serum samples.
3. WesternBlotting:Forthedetectionof*T.pallidum*proteinsincomplex samples.
4. FlowCytometry:Toanalyzethepresenceof*T.pallidum*antigensonthe surface of infected cells.

This antibody is intended for use by trained professionals in laboratories for research purposes, clinical diagnostics, and educational applications to advance the understanding of syphilis and its pathology.

TARGET ANALYTE – *Treponema pallidum* (Spirochete)

SOURCE - Rabbit polyclonal antibody

CLONE - Not Applicable

ISOTYPE - Not Applicable

SUPPLIED AS - A buffered saline solution with a pH of 7.2-7.4 includes a protein carrier and contains less than 0.1% sodium azide as a preservative.

STORAGE AND STABILITY -

Maintain storage at 2°C to 8°C. The medicine remains stable until the expiration date indicated on the vial label when stored under the specified circumstances. Do not utilize after the expiration date. Storage under conditions not indicated must be validated. Utilize diluted reagents immediately; retain any surplus reagent at a temperature of 2°C to 8°C. Genebio has not confirmed the stability of the user-diluted reagent.

Materials required but not provided -

1) Positivetissuecontrol
2) Negativecontroltissue(internalorexternal)
3) Microscopeslidesandcoverslips
4) Stainingjarsorbaths
5) Timer
6) Xyleneorxylenesubstitute
7) Ethanolorreagentalcohol
8) Deionizedordistilledwater
9) Heatingequipmentorenzymefortissuepretreatmentstep
10)Detection system
11)Chromogen
12)Wash buffer
13) Hematoxylin
14)Antibody diluents
15)Peroxide block
16)Light microscope
17)Mounting medium

LIMITATIONS-

The optimum antibody dilution and protocols for a specific application can vary. These include, but are not limited to fixation, heat-retrieval method, incubation times, tissue section thickness and detection kit used. Due to the superior sensitivity of these unique reagents, the recommended incubation times and titers listed are not applicable to other detection systems, as results may vary. The data sheet recommendations and protocols are based on exclusive use of Genebio products. Ultimately, it is the responsibility of the investigator to determine optimal conditions.