

Recombinant Treponema pallidum Tpp15 Antigen, His&GST tagged, Biotinylated

Cat. No. Tpp15-052T **Lot. No.** (See product label)

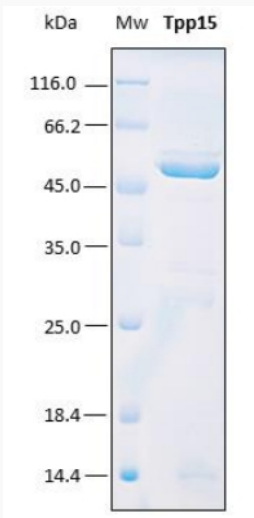
SPECIFICATION

Product Overview	The Tpp15 recombinant lipoprotein has been prepared by expressing the ORF of the corresponding gene which codifies the mature lipoprotein of 15 kDa of the spirochete Treponema pallidum and monobiotinylated in vivo.
Species	Treponema pallidum
Source	E.coli
Description	Tpp15 is a 15 kDa major membrane immunogen of the bacterium Treponema pallidum. It is a major immunogen during natural syphilis infection in humans. This lipoprotein has been recognised as a sensitive antigenic target for IgM responses in congenital infection.
Tag	N-His&GST
Conjugation/Label	Biotin
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 45-66.2 kDa, while relative molecular mass calculated from amino acid sequence is 56,818.7 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, CE, DAS, NP, PO

 Tel: 1-631-559-9269 1-516-512-3133

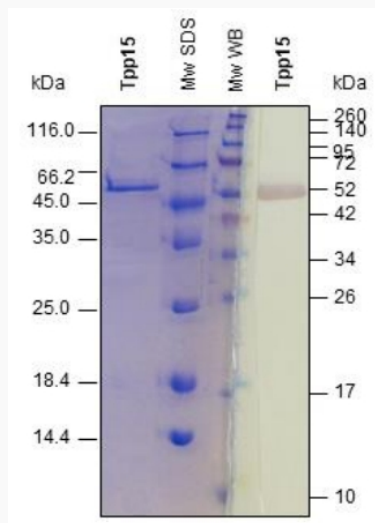
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Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 8 and 0.15 M NaCl
Concentration	1.086 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Purcell BK, Swancutt MA and Radolf JD. 1990. Lipid modification of the 15 kilodalton major membrane immunogen of <i>Treponema pallidum</i>. <i>Mol. Microbiol.</i>, 4:1371- 1379. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. <i>Anal Biochem.</i> 1989 Nov 1;182(2):319-26.
Conjugation	Biotin
Purity	

SDS-PAGE analysis (15%) of 5 μ L of recombinant Tpp15-Biot. Purity is > 95% as determined by gel electrophoresis.

WB



Western blot analysis in order to detect streptavidin /biotin reaction. The incubation was performed with HRP conjugated streptavidin (1:2500).

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