

Recombinant Treponema pallidum Tpp17 and Tpp47 Antigen, His tagged, Biotinylated

Cat. No. Tpp17-058T **Lot. No.** (See product label)

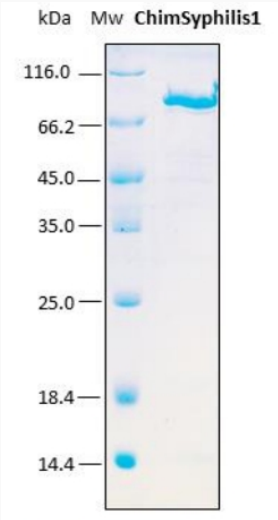
SPECIFICATION

Product Overview	A recombinant multi-epitope chimeric antigen has been prepared by expressing Tpp17 and Tpp47 proteins of the spirochete Treponema pallidum and monobiotinylated in vivo.
Species	Treponema pallidum
Source	E.coli
Tag	C-His
Conjugation/Label	Biotin
Molecular Mass	Determined by SDS-PAGE, the protein band is between the molecular markers of 116 kDa and 66.2 kDa, while relative molecular mass calculated from amino acid sequence is 79,621.21 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, CE, DAS, NP, PO
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.

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Storage Buffer	20 mM phosphate buffer pH 8, 0.1 M KCl and 0.1% polyoxyethylene (10) tridecyl ether
Concentration	1.32 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Conjugation	Biotin
Purity	 SDS-PAGE analysis (15%) of 2 μL of recombinant biotinylated ChimSyphilis1. Purity is > 95% as determined by gel electrophoresis.