



**Meridian**  
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## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** R01665 **Lot #:** n/a

**Description:** *T. pallidum* TmpA Recombinant  
*Treponema pallidum*, Treponemal Membrane Protein A (TmpA), Recombinant  
  
Mature TmpA without the leader peptide  
Reacts with human *T. pallidum* positive serum.  
Contains a His-tag in its N-terminus.  
Molecular Weight (calculated) 42.9 kDa.

**Source:** *E. coli*

**Format:** Purified, Liquid

**Purification:**  $\geq 95\%$  pure (SDS-PAGE). Proprietary method.

**Concentration:** (Lot Specific) mg/mL (OD280nm,  $E^{0.1\%} = 0.536$ )

**Buffer:** 20 mM Phosphate Buffer, pH 8, 0.15 M Sodium Chloride, 0.1% Polyoxyethylene (10) Tridecyl Ether.

**Preservative:** None

**Applications:** Suitable for use in ELISA and Western Blot assays. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Store at -20°C to -80°C. Aliquot to avoid multiple freeze-thaw cycles.

**Inactivation:** Not Applicable

Signature

29 June 2016

Date

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**