

Recombinant Treponema Pallidum 47kD Membrane Protein

Cat. No. TP47-164T **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Treponema Pallidum
Source	E.coli
Description	Recombinant Treponema pallidum 47Kd protein produced in the E.coli Expression System. Approximate mol. Wt. 52kD. This protein binds to murine anti-TP47 kD protein monoclonal antibodies and Treponema pallidum converted human serum polyclonal antibodies in ELISA and Western Elisa, Dot Blots and Lateral Flow immunochromatographic diagnostic tests.
Form	Frozen Liquid
Molecular Mass	52 kD
Purity	> 95 % by SDS-PAGE
Applications	In-Vitro Diagnostics; Immunization.
Notes	Recommended concentrations for use are approximate values. A dose dependent response assay should be performed to determine the optimal concentration for use in specific applications. ELISA and Western ELISA require 10-100ng protein depending on the nature and

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affinity of the detection reagent. Human serum polyclonal antibodies yield titers of 1:1000 or greater at 100ng of immobilized protein under standard ELISA conditions. Protein concentration for lateral flow rapid diagnostics range from 1-2mg/ml.

Stability	At least 2 years at -75 centigrade.
Storage	Store at -75 centigrade.
Dilutions	10 mM Tris, pH 8.0, SDS (<0.01%)

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