



## PRODUCT CERTIFICATE

### ***Treponema pallidum* TmpA antigen**

<b>Catalog Number:</b>	00144-V
<b>Product Description:</b>	<i>Treponema pallidum</i> (recombinant) TmpA, full length.
<b>Fusions</b>	$\beta$ -galactosidase (114 kDa) fused at the N-terminus
<b>Lot</b>	34
<b>Origin:</b>	<i>E. coli</i> , recombinant
<b>Purity:</b>	>95% pure; Purity: of proteins is evaluated by SDS-PAGE, by measuring optical density at 280 nm and by method of Bradford et al.
<b>Buffer/Composition:</b>	1XPBS
<b>Concentration:</b>	1 mg/ml, bulk amount available upon request
<b>Storage:</b>	Long Term: -80°C Short Term: 4°C (Three month or less)
<b>Shipping:</b>	Cold pack
<b>Comments</b>	Reacts strongly with human <i>T. pallidum</i> positive serum

The products are for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications.

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