

tpp15 recombinant protein

tpp15 recombinant

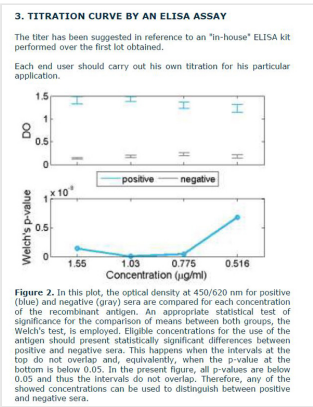
CATALOG # AAA72846	HOST E Coli	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

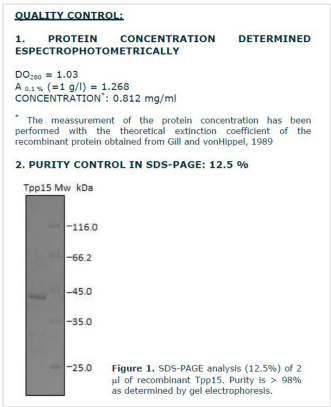
tpp15; tpp15 recombinant; RECOMBINANT ANTIGEN Tpp15 from Treponema pallidum; Tpp15; tpp15 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	0.98
Form/Format	Dry powder (lyophilized)
Concentration	0.812 mg/ml (varies by lot)
Sequence Length	142
Applicable Applications for tpp15 recombinant protein	WB (Western Blot), ELISA
Recombinant Antigen	Treponema pallidum lipoprotein 15 kDa (Purcell et al., 1990).
Organism	Treponema pallidum (syphilis)
Tag	HIS/GST
Molecular Weight Information	Determined by SDS-PAGE, the protein band is between molecular markers of 35,000-45,000 Da, while relative molecular mass calculated from amino acid sequence is 46,377.6 Da.
Observation Notes	Proteins should be maintained frozen at high concentrations. The dilution to be performed for ELISA assays should be made with a small quantity of protein, the same day of the experiment. In order to defrost the protein, maintain the aliquot at 25 degree C without shaking to avoid aggregation. Prior making test dilutions and after defrost the protein, is recommended to remove possible protein aggregates by centrifuging the stock solution, avoiding alterations in the immobilization of the biomolecule to the solid surface
Buffer	20 mM phosphate buffer pH 8, 10 mM NaCl, 0.1% polyoxyethylene (10) tridecyl ether, 10 mM b-mercaptoethanol
Batch Composition	Recombinant antigen with a GST-tag and a his-tag in its N-terminus
Storage Buffer	20 mM phosphate buffer pH 8, 10 mM NaCl, 0.1% polyoxyethylene (10) tridecyl ether, 10 mM u-mercaptoethanol
Reconstitution	For lyophilized proteins: with 0.04 ml of sterile double-distilled water (lot specific) for a final concentration of 1.59 mg/ml (lot specific). The protein will be at pH 8.
Preparation and Storage	Lyophilized protein is shipped with on ice packs. Upon arrival, it should be stored at 20 degree C to -80 degree C. Aliquot after reconstitution in order to avoid repeated freezing and thawing cycles and store at 20 degree C to -80 degree C.



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for tpp15 recombinant protein	the Tpp15 recombinant lipoprotein hasbeen prepared by expressing the complete ORF of thecorresponding gene which codifies the mature lipoprotein of15 kDa of the spirochete Treponema pallidum without theleader peptide.
Product Categories/Family for tpp15 recombinant protein	BACTERIA
References	Purcell BK, Swancutt MA and Radolf JD. 1990. Lipidmodification of the 15 kilodalton major membraneimmunogen of Treponema pallidum. Mol. Micobiol., 4:1371-1379. Gill SC, von Hippel PH. Calculation of protein extinctioncoefficients from amino acid sequence data. AnalBiochem. 1989 Nov 1;182(2):319-26.Important

NCBI AND UNIPROT INFORMATION

NCBI GI #	15639164
NCBI GeneID	2611353
NCBI Accession #	NP_218610.1
NCBI GenBank Nucleotide #	NC_000919.1
UniProt Accession #	P16055; O83201
Molecular Weight	15,783 Da
NCBI Official Full Name	lipoprotein, 15 kDa (tpp15)
NCBI Official Symbol	TP0171
NCBI Protein Information	lipoprotein, 15 kDa (tpp15)
UniProt Protein Name	15 kDa lipoprotein
UniProt Gene Name	tpp15
UniProt Entry Name	TA15_TREPA

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.