

tpp47 recombinant protein

tpp47 recombinant

CATALOG # AAA72842	HOST E Coli	APPLICATIONS Western Blot, ELISA
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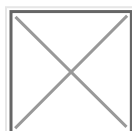
PRODUCT SYNONYMS

tpp47; tpp47 recombinant; RECOMBINANT ANTIGEN Tpp47 from Treponema pallidum; Tpp47; tpp47 recombinant protein

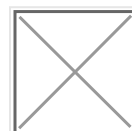
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	0.95
Form/Format	Dry powder (lyophilized)
Concentration	0.838 mg/ml (varies by lot)
Sequence Length	434
Applicable Applications for tpp47 recombinant protein	WB (Western Blot), ELISA
Recombinant Antigen	Treponema pallidum lipoprotein 47 kDa (Félix de Miranda and Satomi Sato, 2008).
Organism	Treponema pallidum (syphilis)
Tag	HIS/GST
Molecular Weight Information	Determined by SDS-PAGE, the protein band is between molecular markers of 116,000-66,200 Da, while relative molecular mass calculated from amino acid sequence is 79,905.2 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, 1 M NaCl, 0.1% polyoxyethylene (10) tridecyl ether, and 6 M urea
Batch Composition	Recombinant antigen with a GST-tag and a his-tag in its N-terminus
Storage Buffer	20 mM phosphate buffer pH 8, 1 M NaCl, 0.1% polyoxyethylene (10) tridecyl ether, and 6 M urea
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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for tpp47 recombinant protein	the Tpp47 recombinant lipoprotein has been prepared by expressing the complete ORF of the corresponding gene which codifies the mature lipoprotein of 47 kDa of the spirochete Treponema pallidum without the leader peptide.
Product Categories/Family for tpp47 recombinant protein	BACTERIA
References	Ana Paula Félix de Miranda and Neuza Satomi Sato. Profile of Anti-Tp47 antibodies in patients with positive serology for syphilis analyzed by western blot. 2008, The Brazilian Journal of Infectious Diseases 12(2):139-143. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15639563
NCBI GeneID	2611716
NCBI Accession #	NP_219013.1
NCBI GenBank Nucleotide #	NC_000919.1
UniProt Accession #	P29723; O83584
Molecular Weight	47,665 Da
NCBI Official Full Name	carboxypeptidase, 47 kDa
NCBI Official Symbol	TP0574
NCBI Protein Information	carboxypeptidase, 47 kDa
UniProt Protein Name	47 kDa membrane antigen
UniProt Entry Name	TA47_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.

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Online datasheet: <https://stage.aaabiotech.com/tpp47-recombinant-protein-e-coli-wb-western-blot-elisa/72842>