



PRODUCT SPECIFICATION SHEET

Protein Name: Recombinant Syphilis chimeric Antigen

Catalog No: RP-023

Description: *E.coli* derived recombinant protein containing immunodominant regions of TP15, TP17 and TP 47 antigen of *Treponema pallidum*.

Concentration: 1-5mg/ml (customizable)

Source: *Escherichia coli* (*E. coli*)

Format: Purified liquid

Buffer: 1.5 M urea, 0.1 % SDS, 500 mM NaCl, 50mM Tris, pH.8.

PREPARATION:

Expression System: *Escherichia coli* (*E. coli*)

Tag: 6X histidine tag

Purification: His-tag affinity purification by Immobilized metal ion affinity Chromatography

Purity: >95% as determined by SDS PAGE

Molecular Weight: The predicted size of protein is 55 kDa.

Purity: Determined by SDS-PAGE under reducing conditions and visualized by Coomassie Blue staining

Preservative: None

Application: Suitable for use in Elisa and lateral flow as positive control. Use optimum working concentration for particular application.

Shipping: Protein is shipped with ice pack.

Storage: It should be aliquoted as per requirement upon arrival to avoid multiple freezing & thawing cycles.

Long term storage: -20°C to -80°C

Short term storage: 2-8°C

Stability: 3 years from the manufacturing date.

Safety note: Refer to the appropriate safety data sheet (SDS) for additional information.

Reconstitution: The protein can be aliquoted and diluted as per requirement.

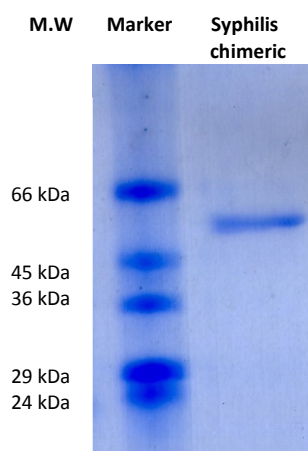


Figure- SDS PAGE Analysis

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