

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: R01548 **Lot #:** 2D11022

Description: HCV Core/NS3/NS4 Recombinant
Hepatitis C Virus (HCV) Antigen, Core/NS3/NS4, Recombinant

Contains three antigens expressed in *E. coli* in a chimera:
-HCV Core Fragment (a.a. 8 to 56)
-HCV NS4 Fragment (a.a. 1916~1947) Immune-Dominant Region
-HCV NS3 Fragment (a.a. 1192~1457)

Source: *E. coli*

Format: Purified, Lyophilized

Purification: > 95% pure (SDS-PAGE). Q-Sepharose FF, S-Sepharose FF, and Sephadex G-50.

Concentration: Not Determined

Buffer: Prior to Lyophilization: 25 mM Tris-HCl, pH 8.5 containing 0.02% SDS.
Reconstitute in distilled water. Avoid solvents containing potassium ions.
NOTE: The buffer prior to lyophilization contained Tris and SDS. It is recommended to reconstitute the lyophilized antigen in distilled water. The distilled water **must not** have potassium ions because SDS and potassium ions generate flocculent precipitate. Tris can be removed by dialysis. We recommend adding 0.02% SDS to the buffer used for dialysis. SDS is mandatory for recombinant antigens to dissolve, but the content is very low and will not affect avidin connection.

Preservative: None

Applications: Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Store desiccated at -20°C. After reconstitution, store at 2-8°C for 3 days. Long term stability can only be achieved with lyophilized form.

Inactivation: Not Applicable

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature:



20 APR 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY