

CERTIFICATE OF ANALYSIS

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

Catalog #: R01635

Lot #: 4F18122

Description: Zika Virus Envelope Recomb.
Zika Virus Envelope Recombinant
Product contains Histidine tag. Reacts with both IgG and IgM.
The E protein composes the majority of the virion surface and it is involved with replication, such as host cell binding and membrane fusion.
Covers the ectodomain of the envelope proteins.
M.W. on 12.5% SDS-PAGE is ~50Kd.
The sequence of the envelope protein is derived from the African strain (all strains share very high identity in this region).
The amino acid sequence is proprietary.

Source: Insect Cells

Format: Purified, Liquid

Purification: 80% Pure (SDS PAGE). Affinity Chromatography

Concentration: 3.7 mg/mL (Bradford Method)

Buffer: Phosphate Buffered Saline, pH 7.4

Preservative: 0.09% Sodium Azide

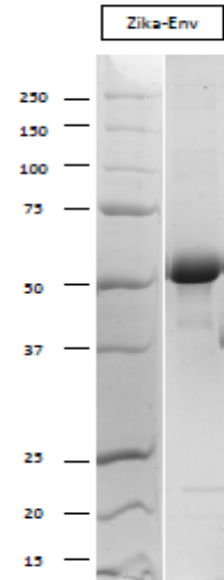
Applications: Suitable for use in ELISA, CLIA and Lateral Flow Assays. To overcome flavivirus cross-reactivity in diagnostics, recombinant antigens to envelope and NS1 antigens are commonly used. IgG and IgM antibodies typically show a high sensitivity and specificity to these epitopes especially NS1 which is thought to contain more species-specific epitopes than the envelope proteins. 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 at -20°C, avoid repeated freeze/thaw cycles

Thawing: Thaw at room temperature or 4°C. Cryo-concentration may occur on thawing which should not affect performance characteristics. If cryo-concentration is seen after the material is completely thawed, mix by inverting the container **GENTLY** several times before use.

Inactivation: Not Applicable

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



Quality Signature:

30 Jun 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY