

Core Protein C (Japanese encephalitis virus)

CATALOG NUMBER: JEV-C-021P

Introduction	Japanese encephalitis virus is an enveloped virus of the genus flavivirus and is closely related to the West Nile virus and St. Louis encephalitis virus. The positive sense single stranded RNA genome is packaged in the capsid which is formed by the capsid protein. The outer envelope is formed by envelope (E) protein and is the protective antigen. It aids in entry of the virus to the inside of the cell. The genome also encodes several nonstructural proteins also (NS1,NS2a,NS2b,NS3,N4a,NS4b,NS5). NS1 is produced as secretory form also. NS3 is a putative helicase, and NS5 is the viral polymerase. It has been noted that the Japanese encephalitis virus (JEV) infects the lumen of the endoplasmic reticulum (ER) and rapidly accumulates substantial amounts of viral proteins for the JEV.
Application	Western blot standard, antibody ELISA, antigen, etc.
Description	Recombinant protein expressed in <i>E. coli</i> .
Viral Protein	N-terminal GST-fusion protein of Core protein C (amino acid 1-123) (Japanese encephalitis virus) (GenBank Accession No. NP_775663).
Storage	Store at -20 °C; Stable for 6-months from the date of shipment when kept at 4 °C. Non-hazardous. No MSDS required.
Concentration	50 µg (1 µg/µl), in PBS with 8M Urea
Specificity	≥ 95% purity.



SDS-PAGE: purified Core protein C (Japanese encephalitis virus)

