West Nile Virus Matrix Antibody

Subcategory: Rabbit Polyclonal Antibody
Cat. No.: 253509
Unit: 0.1 mg

Description:
West Nile Virus (WNV) is a member of the Flaviviridae, a plus-stranded virus family that includes St. Louis encephalitis virus, yellow fever virus, and Dengue virus. WNV was initially isolated in 1937 in the West Nile region of Uganda and has become prevalent in Africa, Asia, and Europe. It has rapidly spread across the United States with cases being observed in every continental state. Virus particles consist of a dense core made up of the core/capsid protein encapsulating the RNA genome surrounded by a membrane envelope embedded with envelope and matrix proteins. However, when the viruses are inside of infected cells, the matrix protein exists in its ?pre-M? form as a heterodimer with the envelope proteins. Cleavage of the ?pre-M? protein to its mature form occurs during release of the virus; this cleavage leas to the dissociation of the heterodimers. The WNV receptor has recently been identified as alpha v beta 3 integrin.

Isotype: Rabbit Ig
Applications: E
Species Reactivity: Vs
Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.
Alternate Names: West Nile Virus Matrix ; WNV matrix
Accession No.: NP_776012

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of the West Nile Virus matrix protein.
Application Notes: E: 1:500-1:1,000

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.