

DESCRIPTION

Species Reactivity	Viral
Specificity	Detects viral wnvNS1 Protein in direct ELISAs. In direct ELISAs, no cross-reactivity with viral Dengue NS1 (serotypes 1,2 and 3) and viral Zika NS1 proteins is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 991501
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with recombinant Viral wnvNS1 Protein Asp1-Ala352 Accession # NP_776015
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

West Nile Virus, or WNV, is a member of the Flaviviridae family that includes other human pathogens such as yellow fever (YF), dengue (DEN), tick-borne encephalitis (TBE), Japanese encephalitis (JEV), and Murray Valley encephalitis (MVE) viruses. West Nile virus (WNV) is a single-stranded RNA mosquito-transmitted virus that causes epidemics of encephalitis and viscerotropic disease. The WNV nonstructural protein NS1 is a 48-kDa highly conserved secreted glycoprotein that does not package with the virion. Even when absent from the virion, immunization with NS1 typically elicits a protective immune response.

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