Datasheet for ABIN6990505

anti-WNV M antibody (AA 190-240)

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Overview

Quantity:	0.1 mg
Target:	WNV M
Binding Specificity:	AA 190-240
Reactivity:	West Nile Virus (WNV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This WNV M antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	West Nile virus matrix antibody was raised against a synthetic peptide corresponding to 15 amino acids near the middle of the west nile virus matrix precursor protein. The immunogen is located within amino acids 190 - 240 of West Nile Virus Matrix.
Isotype:	IgG
Purification:	West Nile Virus Matrix Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	WNV M
Alternative Name:	West Nile Virus Matrix (WNV M Products)
Target Type:	Viral Protein

Target Details

Background:	West Nile Virus Matrix Antibody: 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.
Gene ID:	912267
NCBI Accession:	NP_776012
UniProt:	P06935

Application Details

Application Notes:	West Nile virus matrix antibody can be used for the detection of the West Nile virus matrix precursor protein in ELISA. It will detect 10 ng of free peptide at 1 µ,g/mL.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	West Nile Virus Matrix Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,4 °C
Storage Comment:	West Nile Virus Matrix antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.