

12-8284: Anti-West Nile Virus, NS1 (Clone WNV-3562)

Clonality :	Monoclonal
Clone Name :	WNV-3562
Application :	ELISA
Alternative Name :	NS1, Non-structural protein 1, WNV
Isotype :	Mouse IgG1 κ

Description

Specificity: Anti-West Nile virus (Clone WNV-3562) is specific for WNV non-structural protein 1 (NS1). There is no cross-reactivity with other Flavivirus.

Background: West Nile Virus (WNV) is a mosquito-borne, enveloped, positive-stranded RNA flavivirus¹. Flavivirus nonstructural protein NS1 has been proposed as an antibody target to avoid antibody-dependent enhancement². NS1 is a 46-55 kDa glycoprotein that is expressed as a dimer on the cell surface and as a soluble hexamer in the extracellular space and in circulation during infection. WNV NS1 dimer consists of a β -roll, wing, and β -ladder.

Product Info

Amount :	250 μ g
Purification :	Purity: Preparation: This monoclonal antibody is purified by ion exchange chromatography. Concentration: ≥ 1.0 mg/ml
Content :	Formulation: Formulated in 0.015 M phosphate buffered saline (0.85% NaCl), pH 7.2 and contains 0.05% sodium azide. Due to inherent biochemical properties of antibodies, certain products may be prone to precipitation over time. Precipitation may be removed by aseptic centrifugation and/or filtration.
Storage condition :	This purified antibody is stable when stored at 2-8°C. Do not freeze.

Application Note

ELISA, Lateral Flow