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12-8283: Anti-West Nile Virus, NS1 (Clone WNV-3223)

Clonality :	Monoclonal
Clone Name :	WNV-3223
Application :	ELISA
Alternative Name :	NS1, Non-structural protein 1, WNV
Isotype :	Mouse IgG1 κ

Description

Specificity: Anti-West Nile virus (Clone WNV-3223) 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 ß-roll, wing, and ß-ladder.

Product Info

Amount :	250µg
Purification :	Purity: ≥90% by SDS PAGE Preparation: This monoclonal antibody is purified by ion exchange chromatography.
Content :	Concentration: ≥1.0 mg/ml 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

For Research Use Only. Not for use in diagnostic/therapeutics procedures.