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12-8285: Anti-West Nile Virus, NS1 (Clone WNV-8596)

Clonality: Monoclonal
Clone Name: WNV-8596
Application: ELISA

Alternative Name: NS1, Non-structural protein 1, WNV

Isotype: Mouse $\lg G1 \kappa$

Description

Specificity: Anti-West Nile virus (Clone WNV-8596) 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 enhancement 2. 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 \(\mathbb{G} - \text{orl} \), wing, and \(\mathbb{G} - \text{ladder} \).

Product Info

Content:

Amount: 250μg

Purification : Purity: >90% for SDS PAGE

Preparation: This monoclonal antibody is purified by ion exchange chromatography.

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