

## 12-8221: Anti-Japanese Encephalitis Virus, NS1 (Clone JEV-5847)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	JEV-5847
<b>Alternative Name :</b>	NS1, Non-structural protein 1, JEV
<b>Isotype :</b>	Mouse IgG1 $\kappa$

### Description

Specificity: Anti-Japanese Encephalitis Virus (Clone JEV-5847) is specific for JEV non-structural protein 1 (NS1). There is no cross-reactivity with other Flavivirus.

Background: Japanese Encephalitis Virus (JEV) is a mosquito-borne, enveloped positive-stranded RNA virus in the Flavivirus genus endemic to Asia and parts of the western Pacific<sup>1</sup>. Symptomatic JEV infection is most common in children in areas of endemicity or travelers to those regions. Severe symptoms occur in ~1% of cases, with a case-fatality ratio of 20-30%. Survivors often have neurologic, cognitive, or psychiatric sequelae issues. Five JEV genotypes have been identified, and existing vaccines are derived from historically predominant GIII strains<sup>2</sup>.

### Product Info

<b>Amount :</b>	250 $\mu$ g
<b>Purification :</b>	Purity: >90% for SDS PAGE Preparation: This monoclonal antibody is purified by ion exchange chromatography. Concentration: $\geq$ 1.0 mg/ml
<b>Content :</b>	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.
<b>Storage condition :</b>	This purified antibody is stable when stored at 2-8°C. Do not freeze.