

## 12-8128: Anti-Japanese Encephalitis Virus (Clone: JEV-69)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	JEV-69
<b>Application :</b>	ELISA
<b>Alternative Name :</b>	JEV
<b>Isotype :</b>	Human IgG1
<b>Immunogen Information :</b>	A panel of human mAbs against JEV, including JEV-69, was generated from donors immunized with a GIII vaccine strain (JEV-SA14-14-2).

### Description

Reactivity Species : Japanese Encephalitis-Virus  
Expression Host : HEK-293  
Endotoxin Level :  $\leq 1.0$  EU/mg as determined by the LAL method

Specificity : Clone JEV-69 activity is directed against DIII-LR of the E protein. JEV-69 has no cross-reactivity to West Nile Virus or Zika Virus E proteins.

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  $\sim 1\%$  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>	100 $\mu$ g
<b>Purification :</b>	$\geq 95\%$ monomer by analytical SEC
<b>Content :</b>	$\geq 5.0$ mg/ml Formulation : This recombinant monoclonal antibody is aseptically packaged and formulated in 0.01 M phosphate buffered saline (150 mM NaCl) PBS pH 7.2 - 7.4 with no carrier protein, potassium, calcium or preservatives added
<b>Storage condition :</b>	Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one year. For longer term storage, aseptically aliquot in working volumes without diluting and store at $\leq -70^\circ\text{C}$ . Avoid Repeated Freeze Thaw Cycles.