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

Clone Name: JEV-69
Application: ELISA
Alternative Name: IEV

Isotype: Human IgG1

Immunogen Information: 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 : ≤ 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 Pacific1. 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 strains2.

Product Info

Amount: $100 \mu g$

Purification: ≥95% monomer by analytical SEC

≥ 5.0 mg/ml Formulation : This recombinant monoclonal antibody is aseptically packaged

Content: 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

Functional grade preclinical antibodies may be stored sterile as received at 2-8°C for up to one

Storage condition: year. For longer term storage, aseptically aliquot in working volumes without diluting and store

at ≥ -70°C. Avoid Repeated Freeze Thaw Cycles.