9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

12-8131: Anti-Eastern Equine Encephalitis Virus (Clone: EEEV-129)

Clonality :	Monoclonal
Clone Name :	EEEV-129
Application :	ELISA
Alternative Name :	EEEV, Triple E
Isotype :	Human IgG1
Immunogen Information :	A panel of human monoclonal antibodies (mAb), including EEEV-129, was isolated and sequenced from the B cells of a survivor of natural EEEV infection.

Description

Reactivity Species : Eastern Equine Encephalitis-Virus
Expression Host : HEK-293
Endotoxin Level≤ 1.0 EU/mg as determined by the LAL method.
Specificity : Clone EEEV-129 activity is directed against the B domain of the E2 glycoprotein. Furthermore, human monoclonal antibody EEEV-129 binds strongly to both SINV/EEEV particles and EEEV E2 glycoprotein. The Fab form of EEEV-129 also neutralizes SINV-EEEV efficiently but with reduced potency, suggesting bivalent or tetravalent interactions as an IgG may contribute to optimal neutralization of SINV/EEEV. Competition-binding studies utilizing biolayer interferometry shows that EEEV-129 competes with domain B-specific murine anti-EEEV mAbs.
Background : Eastern Equine Encephalitis virus (EEEV), one of the most virulent viruses endemic to North America, is a rare mosquito-borne encephalitic alphavirus in the Togaviridae family. Infection leads to a 30% to 75% mortality rate, and up to 90% of survivors develop ongoing neurologic problems1, 2. On average, seven human cases are confirmed yearly in the United States. EEEV is of particular concern because of its potential aerosol spread and lack of available treatments. EEEV prevalence in mosquitoes that feed on humans has recently increased.

Product Info

Amount :	100 µg
Purification :	â‰¥95% monomer by analytical SEC
Content :	â‰¥ 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.
Storage condition :	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 â‰¥ -70°C. Avoid Repeated Freeze Thaw Cycles.

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