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12-8132: Anti-Ross River Virus (Clone: RRV-12)

Clonality :	Monoclonal
Clone Name :	RRV-12
Alternative Name :	RRV
Isotype :	Human IgG1
Immunogen Information :	A panel of human mAbs, including clone RRV-12, were sequenced from the peripheral blood mononuclear cells of two donors who were naturally infected with RRV

Description

Reactivity Species : Ross River-Virus
Expression Host :HEK-293
Endotoxin Level : ≤ 1.0 EU/mg as determined by the LAL method
Specificity: RRV-12 activity is directed against the E2 protein.
Antigen Distribution : RoE2 is expressed on the surface of RRV.
Background : Ross River Virus (RRV) is a mosquito-borne, positive sense, single-stranded virus endemic to Australia and Papua New Guinea that belongs to the arthritogenic group of alphaviruses1. The mature glycoprotein is composed of E1 and E2 envelope proteins in a heterodimer, expressed as a trimeric spike on the virus surface .
B cells were transformed with Epstein-Barr virus and then screened by direct virus binding ELISA. Hybridoma lines were established and mAbs were purified by single-cell flow cytometric sorting.
Clone RRV-12 is of the IgG1 isotype and is capable of binding and incompletely neutralizing prototype strain RRV T48 in a focus reduction neutralization test.

Product Info

Amount :	100 µg
Purification :	â‰¥95% monomer by analytical SEC
Content :	â‰¥ 5.0 mg/ml; FormulationThis 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.