

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	RRV-12
<b>Alternative Name :</b>	RRV
<b>Isotype :</b>	Human IgG1
<b>Immunogen Information :</b>	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 :**  $\leq 1.0$  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 alphaviruses<sup>1</sup>. 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

<b>Amount :</b>	100 $\mu$ g
<b>Purification :</b>	$\approx 95\%$ monomer by analytical SEC
<b>Content :</b>	$\approx 5.0$ 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 $\approx -70^\circ\text{C}$ . Avoid Repeated Freeze Thaw Cycles.