

Certificate of Analysis

Name: Ross River Virus Recombinant Antigen

Product Code: REC31969-100 / REC31969-500

Batch #:

Date of Manufacture:

Product Description: Recombinant Ross River virus antigen expressed in HEK293 cells as virus-like particles and purified by sucrose density gradients and precipitation. Virus-like particles were then solubilized in PBS containing 0.2% SDS to prevent aggregation of particles. The preparation is not particulate. Antigens in the preparation include Envelope proteins 1 and 2 and Nucleoprotein.

Expression System: HEK293

Accession: ABB53381.1

Strain/Isolate: T48

Amino Acids: 1-1254

Expected Molecular Weight: 47 + 47 + 30 kDa

Observed Molecular Weight: 50 + 50 + 35 kDa

Amount: 0.1 mg / 0.5 mg

Concentration: mg/ml

Purity: >85%

Presentation: Liquid

Buffer: PBS pH7.4, 0.2% SDS

Usage Guidelines

Short Term Storage: +4°C

Long Term Storage: -80°C

Stability: Antigen does not degrade upon freeze-thawing or prolonged storage at +4°C or room temperature. However, multiple freeze-thaw cycles might lead to aggregation of antigen.

Freezing: Aliquot on arrival. Can be frozen, but avoid multiple freeze/thaw cycles. Antigen does not degrade upon freeze-thawing or prolonged storage at +4°C or room temperature. However, multiple freeze-thaw cycles might lead to aggregation of antigen.



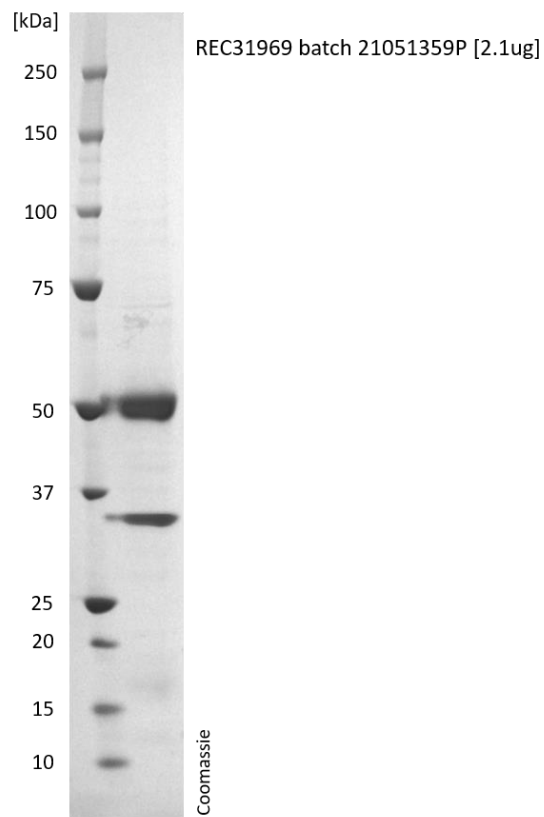
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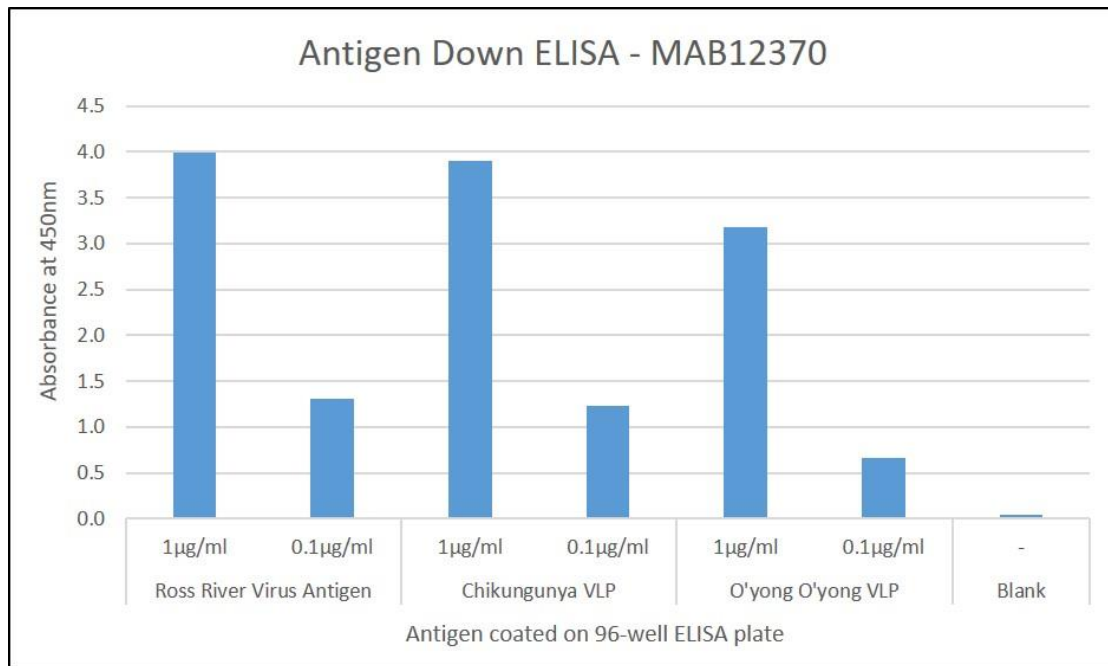
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SDS-PAGE: Representative Coomassie-stained reducing SDS-PAGE showing purified RRV antigen.



ELISA: Antigen down ELISA with 96-well plate coated with 100µl of 1µg/ml Ross River virus antigen (REC31969), O'nyong-nyong VLP (REC31626) and Chikungunya VLP (CHIKV-VLP). Primary antibody [MAB12370](#) added at 0.5µg/ml and 100µl of Goat anti-mouse IgG HRP secondary antibody (1:10,000). Reaction stopped with 100µl of 1M HCl and detection carried out using TMB substrate at 405/450nm.



X

QC

X

QA

Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.

