

Certificate of Analysis

Name: Mayaro virus E2 protein [mouse Fc-tag], recombinant antigen

Product code: REC31628-100

Batch #: 1803141523P

Description: Recombinant gene product from Mayaro virus, corresponding to amino acid 325-691 of the structural polyprotein. A glycine-serine linker and mouse IgG2a Fc-tag was fused to the C-terminus of this recombinant protein.

Sequence Strain: Acre27(GenBank accession number KM400591.1)

Amount: 100µg

Protein conc.: 0.27 mg/ml

Presentation: Liquid, sterile filtered

Buffer: Dulbecco's phosphate buffered saline pH7.4

Usage guidelines

Storage: Short term: +2°C to +8°C

Long Term: -80°C

Stability: Not tested

Freezing: Can be frozen, but avoid multiple freeze/thaw cycles


QC Officer

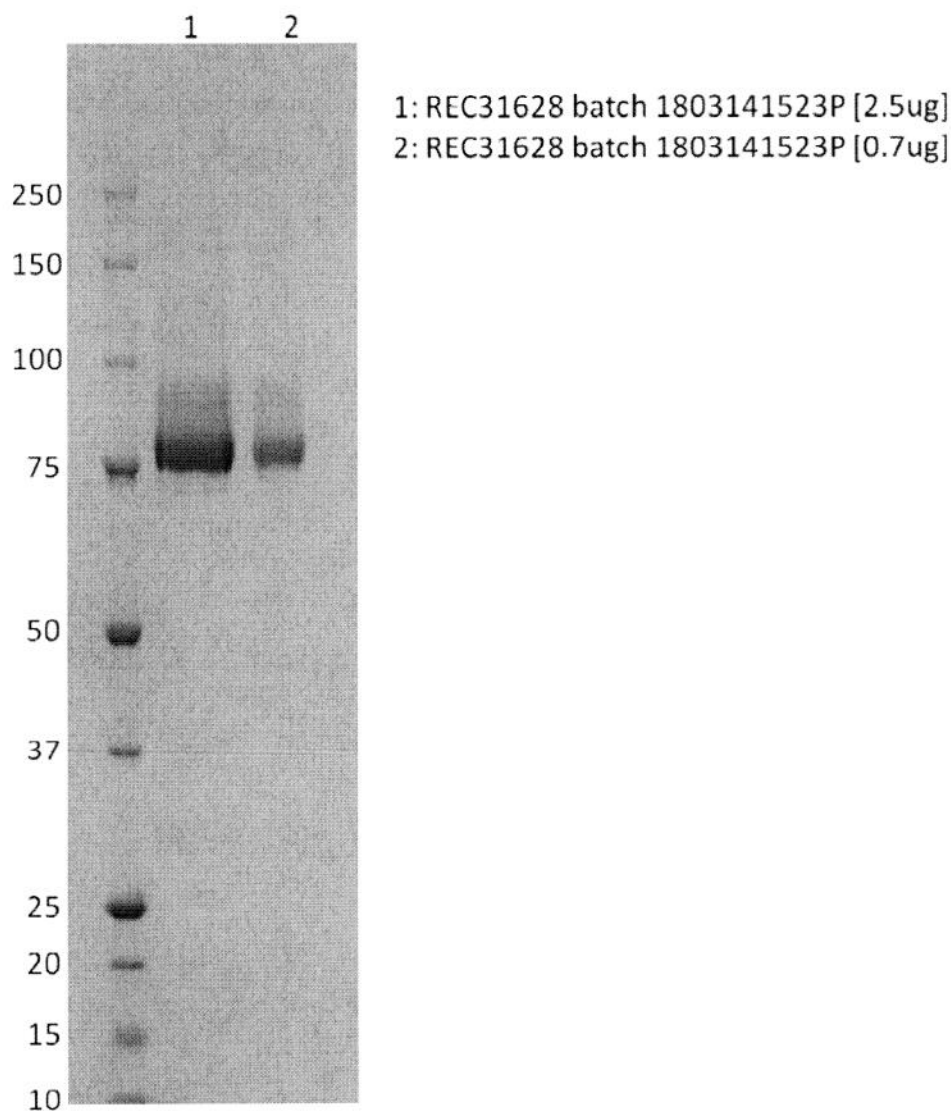
16 MAR-2016
Date

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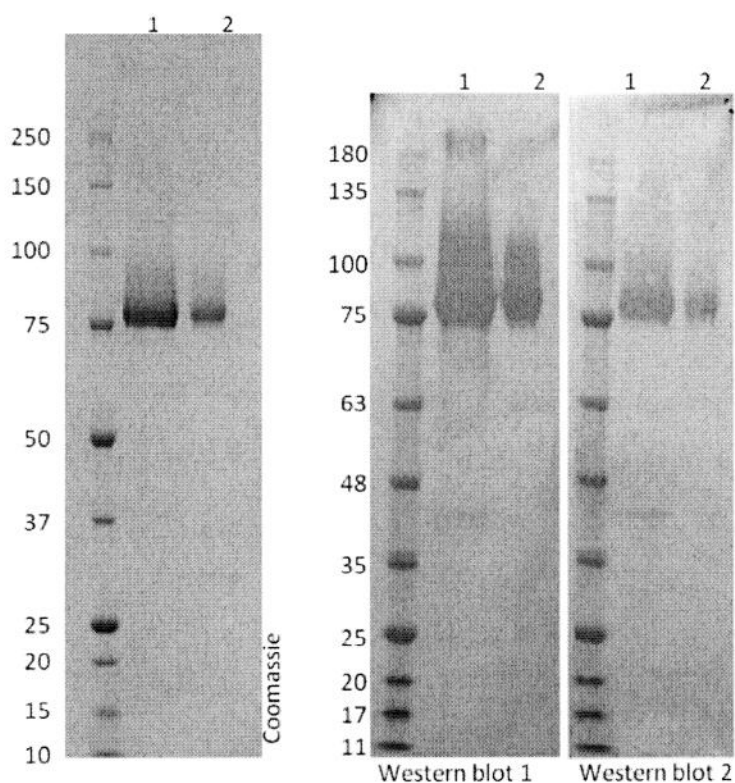
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Western blots were performed as follows: As primary antibody for Western blot 1 a sheep serum raised against Chikungunya virus-like particles was used at a dilution of 1:8,000. Bound sheep IgG was detected with STAR88P secondary antibody (HRP conjugate) (Biorad).

As primary antibody for Western blot 2 a pool of 3 human sera shown to react positively against chikungunya antigens was used at 1:250. As a secondary antibody anti-human-IgG-HRP conjugate (Cambridge Bioscience 204005) was used at 1:8,000.



1: REC31628 batch 1803141523P [2.5ug]

2: REC31628 batch 1803141523P [0.7ug]

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Direct ELISA was performed as follows: A Nunc Maxisorp plate was coated with antigens and quantities given below for 1h in 0.2M sodium carbonate pH9.6. Plate was then blocked with 2% BSA, then incubated with a 1:2,000 dilution of a sheep serum raised against Chikungunya virus-like particles. Bound sheep IgG was detected using STAR88P (Biorad) at 1:2,000.

Mayaro virus antigens ELISA - serum reactivity

