

## Antibody Datasheet

**Name:** Mouse Anti Ross River Virus E2 Glycoprotein (D7)

**Product Code:** MAB12370-100

**Batch #:**

**Date of Manufacture:**

**Product Description:** Mouse monoclonal antibody specific for Ross River virus E2 Glycoprotein (D7)

**Clone Number:** D7

**Isotype:** IgG1, Kappa

**Amount:** 0.1 mg

**Concentration:** 1.0 mg/ml

**Presentation:** Liquid

**Buffer:** PBS

**Preservative:** 0.02% Proclin 300

**Immunogen:** This antibody was raised by immunizing mice.

**Purification:** Protein A affinity chromatography

**Cross-reactivity:** O'nyong'nyong virus VLP (REC31626) and Chikungunya virus VLP (CHIKV-VLP) in ELISA.

**Specificity:** Antibody recognises the E2 envelope glycoprotein of RRV.

**Applications:** Labelling, FC, WB

**Application Notes:** This antibody will stain RRV-positive cells and can be used in Flow cytometry (FC) analysis of E2 surface expression. It can also be used to detect RRV binding to cells. Antibody is also suitable for Western blot under reducing conditions (see data below). It does not recognise RRV E2 (REC31690) or Mayaro virus VLP (REC31616) in ELISA.

### Usage Guidelines

**Short Term Storage:** +4°C

**Long Term Storage:** -20°C

**Storage Guidelines:** Avoid freeze-thaw cycles. Antibody is shipped at ambient temperature.



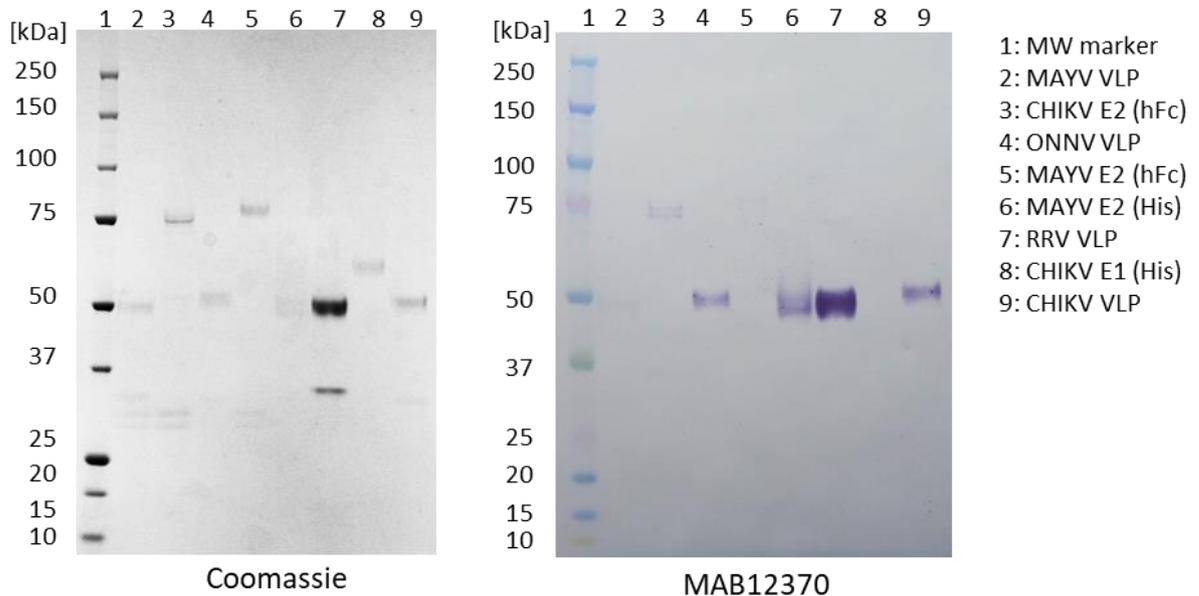
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**Western Blot:** 100ng of each antigen was used for SDS-PAGE, in reduced form. Proteins were transferred using Transblot for 7 min. at 25V. 5% dry milk in PBS-T was used as blocking buffer and dilution buffer for antibodies. Primary antibodies and goat anti-mouse-IgG-HRP secondary antibody (Biorad 103005) were used at 1:1000. All steps were carried out for 1h at room temperature with gentle rocking. KPL Membrane TMB was used for detection. Development time 30 sec. Lane 7 contains Ross river virus VLP.



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

