

Antibody Datasheet

Product Name:	Mouse anti Mayaro Virus E1
Clone number:	M951
Isotype:	Mouse IgG2a
Product code:	MAB12325-100 MAB12325-500
Batch Number:	
Amount:	0.1mg
Concentration:	1 mg/ml
Buffer:	Phosphate Buffered Saline pH7.2
Preservative:	0.05% Sodium Azide (NaN ₃)
Purity:	Purified by Ion Exchange. >90% purity by SDS-PAGE.
Antigen:	Recombinant Mayaro Virus E1 antigen, Strain Acre27.
Specificity:	This antibody is specific for Mayaro virus E1. Antibody does not recognise MAYV VLP (REC31616) in antigen-down ELISA, but does detect VLP containing E1 by Western blot (see data below).
Matched Pairs:	Suggested pairs include MAB12326 for capture paired with MAB12324 for detection. We also suggest MAB12324 for capture paired with MAB12325, MAB12326 or MAB12327 for detection.
Applications:	For Research Use Only. Not intended for diagnostic use. Suitable for use in immunoassay development or other applications.
Secondary reagents:	Goat anti mouse IgG:HRP (PAB21441HRP)



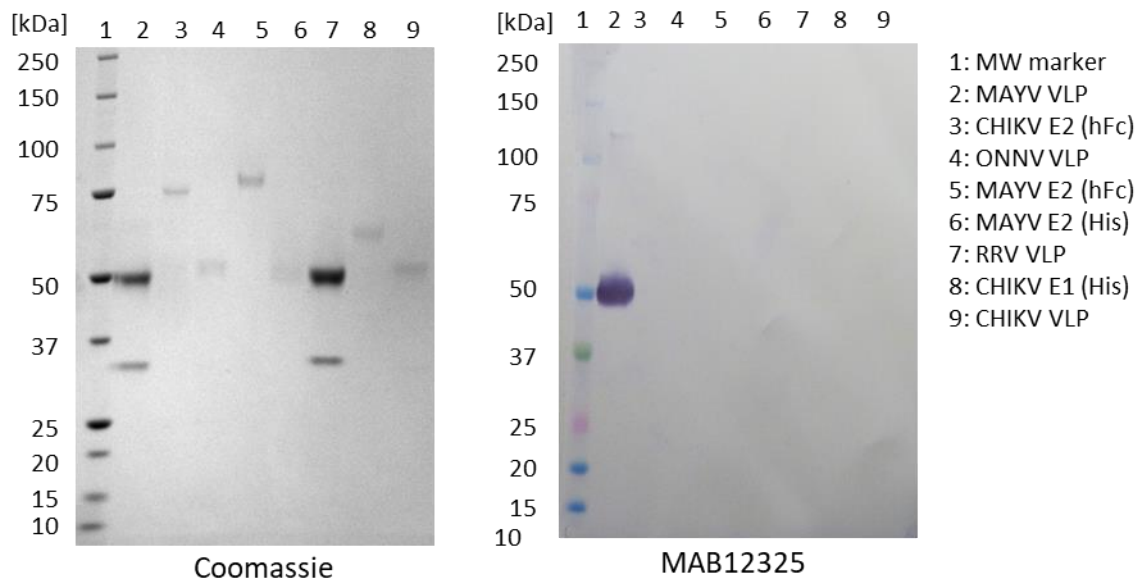
PanBlock ELISA Blocking Buffer ([BUF81201](#))

Storage: Store at +4°C for up to three months, or at -20°C for longer.

The Antibody is shipped at ambient temperature.
Avoid repeated freeze/thaw cycles.

Western Blot

100ng of each antigen was used for SDS-PAGE, in reduced form. Proteins were transferred using Transblot for 7 minutes at 25V. 5% dry milk in PBS-T was used as blocking buffer and dilution buffer for antibodies. Primary antibodies are given below, and goat anti-mouse-IgG-HRP secondary antibody (Biorad 103005) was 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 1 min.



Antibody was specific for Mayaro virus-like particles (Lane 2; MAYV VLP) containing E1 protein. MAYV VLP contains capsid protein (~29kDa), Spike glycoprotein E2 (~47kDa) and Spike glycoprotein E1 (~48kDa). It did not cross-react with MAYV E2 (Lane 5; human Fc-tag, Lane 6; His-tag), Chikungunya virus VLP (Lane 9; CHIKV VLP), CHIKV E2 (Lane 3; human Fc-tag) or CHIKV E1 (Lane 8; His-tag), O'nyong nyong virus VLP (Lane 4; ONNV VLP) and Ross River virus VLP (Lane 7; RRV VLP).

