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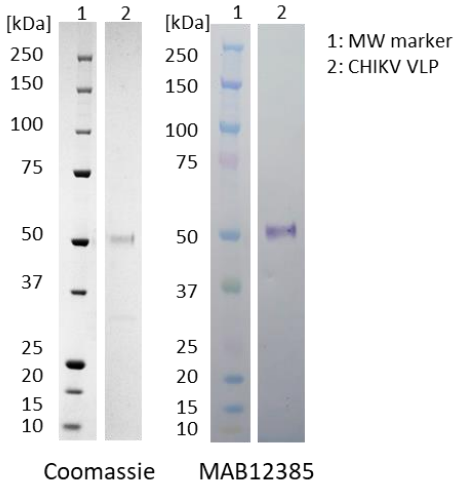
Antibody Datasheet

Product Name:	Mouse Anti Chikungunya virus VLP Antibody (D7)
Product:	Monoclonal antibody to Chikungunya virus VLP
Clone Number:	D7
Isotype:	Mouse IgG1, Kappa
Product Code:	MAB12385-100 MAB12385-500
Batch Number:	
Amount:	0.1 ml
Concentration:	1 mg/ml
Physical State:	Liquid
Buffer:	PBS with 0.02% Proclin 300
Immunogen:	This antibody was raised by immunizing mice.
Purification:	Protein A affinity chromatography
Specificity:	This antibody recognises Chikungunya virus-like particles (CHIKV VLPs). Antibody cross-reacts in ELISA with O'nyong'nyong virus (ONNV) VLPs. It does not cross-react with CHIKV envelope proteins (E1 and E2), Mayaro virus (MAYV) VLPs, MAYV E2 or Ross River virus (RRV) VLPs. See data below.
Applications:	ELISA, WB
Secondary Reagents:	Goat anti mouse IgG:HRP (PAB21441HRP) PanBlock ELISA Blocking Buffer (BUF81201)

Storage: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid cycles of freezing and thawing. The antibody is shipped at ambient temperature.

Western Blot

100ng of 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.



ELISA

Coat plate with 0.5µg/ml of antigens in 1X DPBS overnight at 2-8 degrees. Block for 1.5 h using 1%BSA/DPBS.300µl/well. Wash plate 3X using Tris wash buffer. Add 100µl of prepared antibody dilutions. Incubate for 2 h at RT at 800rpm. Wash plate 3X using Tris wash buffer. Add 100µl of Goat anti mouse IgG HRP antibody (1:5000 dilution) to all the wells and incubate for 1 h at RT,800rpm. Wash plate 4X using Tris wash buffer. Add 100µl HKTMB and incubate for ~2 min. at RT. Add 100µl 1M HCl to stop the reaction and read the plate at 450nm.