Langford Locks
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Antibody Datasheet

Name: Mouse Anti Chikungunya Virus VLP (AG7)

Product Code: MAB12313-100 / MAB12313-500

Batch #:

Date of Manufacture:

Product Description: Mouse monoclonal antibody specific for Chikungunya virus VLP (clone AG7).

Clone Number: AG7-2-A7-E10

Isotype: IgG

Amount: 0.1 mg / 0.5 mg

Concentration: mg/ml

Purity: >95%

Presentation: Liquid

Buffer: PBS pH7.4

Preservative: None present. 0.2µm filtered.

Immunogen: An equal mix of Chikungunya, Mayaro and O'nyong'nyong VLPs (comprising E1, E2 and capsid proteins), produced in HEK293 cells and available from the Native Antigen Company here.

Purification: Antibody was purified from hybridoma cell culture supernatant by affinity chromatography on Protein G

Specificity: This antibody recognises Chikungunya virus VLPs. It shows some cross-reactivity with Mayaro envelope proteins in ELISA but does not cross-react with O'nyong'nyong virus or Ross River virus VLPs. It recognises VLPS for CHIKV, MAYV, ONNV and RRV in non-reduced western blot. Antibody not suitable western blot in reducing conditions.

Applications: WB (non-reduced), ELISA

Usage Guidelines

Short Term Storage: +4ºC

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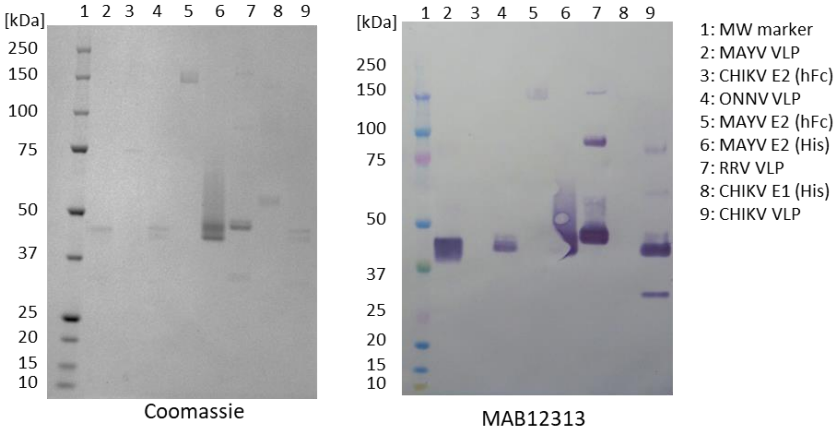
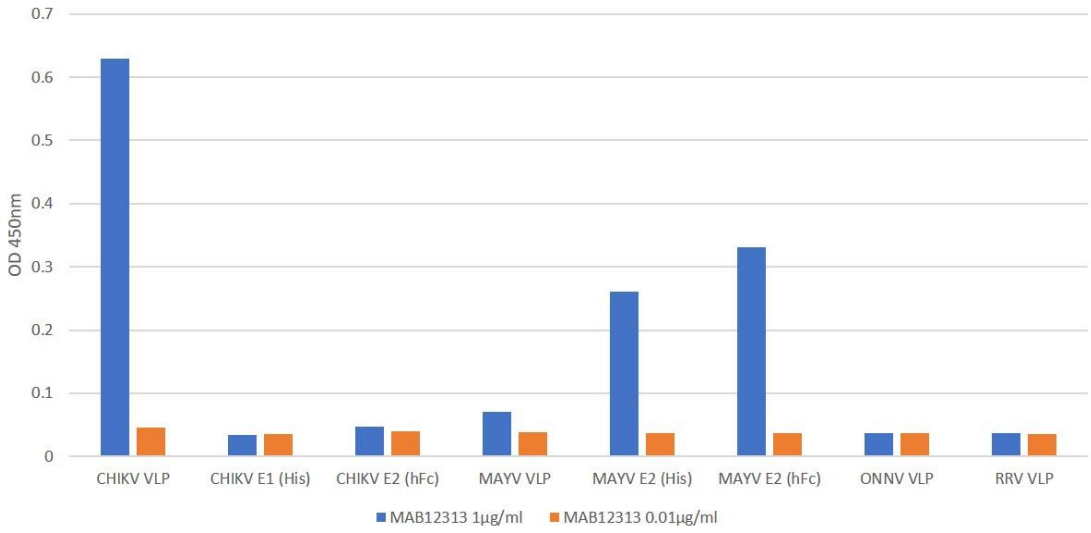
Long Term Storage: -20ºC

Storage Guidelines: Addition of 0.09% w/v sodium azide is recommended for long term storage at +4 ºC. Avoid repeated freeze/thaw cycles.

Western Blot (non-reducing conditions): 100ng of each antigen was used for SDS-PAGE, in non-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 antibody (MAB12313) 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: Plate was coated with 0.5µg/ml of antigens in 1X DPBS overnight at 2-8°C. Blocked for 1.5h using 1%BSA/DPBS.300µl/well. Washed plate 3X using Tris wash buffer. Added 100µl of prepared antibody dilutions. Incubated for 2h at RT at 800rpm.Washed plate 3X using Tris wash buffer. Added 100µl of Goat anti mouse IgG HRP antibody (1:5000 dilution) to all the wells and incubated for 1h at RT, 800rpm. Washed plate 4X using Tris wash buffer. Added 100µl HKTMB and incubated for ~2min. at RT. Added 100µl 1M HCl to stop the reaction and read the plate at 450nm.



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