Langford Locks
Kidlington
Oxford
OX5 1LH
United Kingdom
Tel: +44 (0)1865 595230

Antibody Datasheet

Product Name: Mouse anti O'nyong'nyong virus VLP (AE4)

Clone number: AE4-1-G4-1-G8

Isotype: IgG2a Kappa

Product code: MAB12357-100
MAB12357-500

Batch Number:

Immunogen: O'nyong'nyong, Mayaro and Chikungunya virus like particles (VLPs) produced in HEK293 cells and available from the Native Antigen Company here.

Amount: 100µg
500µg

Concentration: 1.0 mg/ml

Buffer: Phosphate Buffered Saline pH7.4

Preservative: None present. 0.2µm filtered.

Fusion partners: Spleen cells from immunised Balb/c mice were fused with cells from the SP2/0-Ag14 myeloma cell line.

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

Specificity: This antibody is specific for O'nyong'nyong envelope proteins/VLP in ELISA (see data below).

Applications: ELISA. Not suitable for use in western blot (reducing).

Storage: Store at +4^{0}C for up to one week, or at -20^{0}C for longer periods
For long term storage at +4^{0}C the addition of 0.09% w/v sodium azide is recommended.
The antibody is shipped at ambient temperature.
Avoid repeated freeze/thaw cycles.

ELISA

Plate coating: All antigens coated at 0.5µg/ml in DPBS overnight at 2-8°C.
Plate blocking: Plate washed 1 X 300µl/well TBS + 0.1% Tween20, blocked 300µl/well DPBS+1% BSA for 1h.
Detection antibody: Antibody diluted to 1.0µg/ml and 0.01µgml in DPBS + 1% BSA + 0.05% T20. Added at 100µl/well, incubated shaken 2h room temperature. Plate washed 3 X 300µl/well TBS-T wash buffer
Secondary antibody: Biorad goat anti-mouse IgG-HRP (103005) diluted 1 in 2500 in DPBS/1%BSA/0.05%T20, added at 100µl/well, incubated shaken 1h room temperature. Plate washed 6X 300µl/well TBS-T wash buffer.
Detection: Europa TMB substrate added at 100µl/well and the plate developed for 2 min. static on the bench.
Stop: Reaction stopped with 100µl/well 1M HCL and the plate was read within 5 min. at 450nm.