

## Antibody Datasheet

<b>Product Name:</b>	Mouse anti O'nyong'nyong virus VLP (AE10)
<b>Clone number:</b>	AE10-1-A10-D6-G5
<b>Isotype:</b>	IgG2a Kappa
<b>Product code:</b>	MAB12358-100 MAB12358-500
<b>Batch Number:</b>	M-NAC-9D
<b>Immunogen:</b>	O'nyong'nyong, Mayaro and Chikungunya virus like particles (VLPs) produced in HEK293 cells and available from the Native Antigen Company <a href="#">here</a> .
<b>Amount:</b>	100µg 500µg
<b>Concentration:</b>	1.0 mg/ml
<b>Buffer:</b>	Phosphate Buffered Saline pH7.4
<b>Preservative:</b>	None present. 0.2µm filtered.
<b>Fusion partners:</b>	Spleen cells from immunised Balb/c mice were fused with cells from the SP2/O-Ag14 myeloma cell line.
<b>Purification:</b>	Antibody was purified from hybridoma cell culture supernatant by affinity chromatography on Protein G
<b>Specificity:</b>	This antibody recognises 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°C for up to one week, or at -20°C for longer periods  
For long term storage at +4°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 0.01µg/ml 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.

