

## Antibody Datasheet

**Name:** Mouse Anti-Yellow Fever Virus NS1 Antibody (CE6)

**Product Code:** MAB12158-100 / MAB12158-500

**Batch #:**

**Date of Manufacture:**

**Product Description:** Mouse monoclonal antibody specific for Yellow Fever virus NS1 (clone CE6)

**Clone Number:** CE6.A.B9.G3

**Isotype:** IgG1 kappa

**Amount:** 0.1 mg / 0.5 mg

**Concentration:** 1.0 mg/ml

**Purity:** >95%

**Presentation:** Liquid

**Buffer:** PBS pH7.4

**Preservative:** None present

**Immunogen:** Recombinant Yellow Fever virus NS1, from the Native Antigen Company

**Purification:** The antibody was purified by affinity chromatography on protein G

**Specificity:** This antibody is specific for the NS1 protein of Yellow Fever virus, and does not cross-react with NS1 from other flaviviruses, including Dengue virus serotypes 1-4, Zika virus, West Nile virus and Japanese Encephalitis virus. No cross-reactivity is seen with Chikungunya virus E1, E2 or C proteins.

**Applications:** Direct ELISA (NS1 antigen bound to plate), immunofluorescence

### Usage Guidelines

**Short Term Storage:** +4°C

**Long Term Storage:** -20°C

**Storage Guidelines:** The antibody is shipped at ambient temperature. Avoid repeat freeze-thaw cycles.

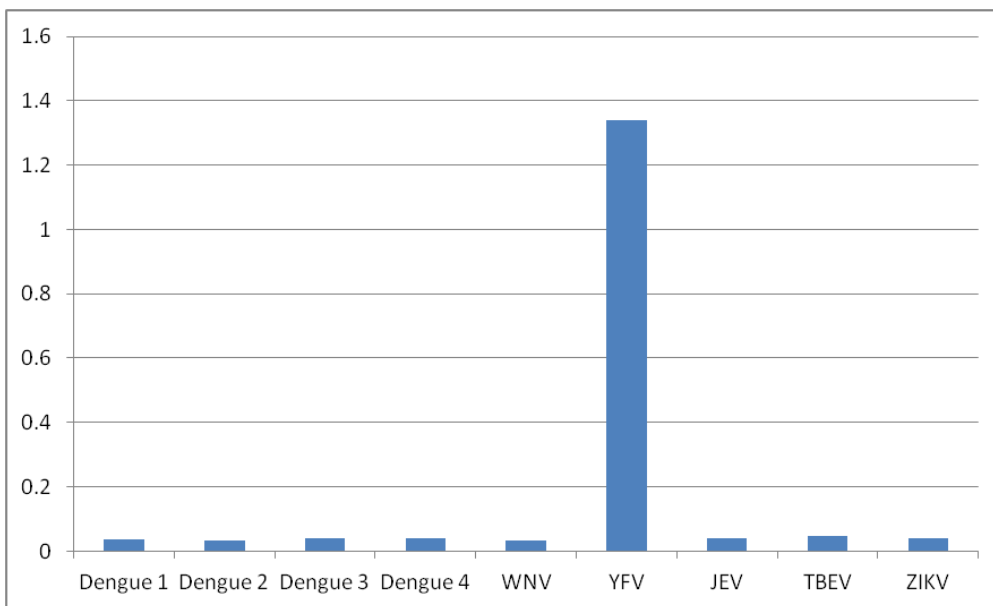


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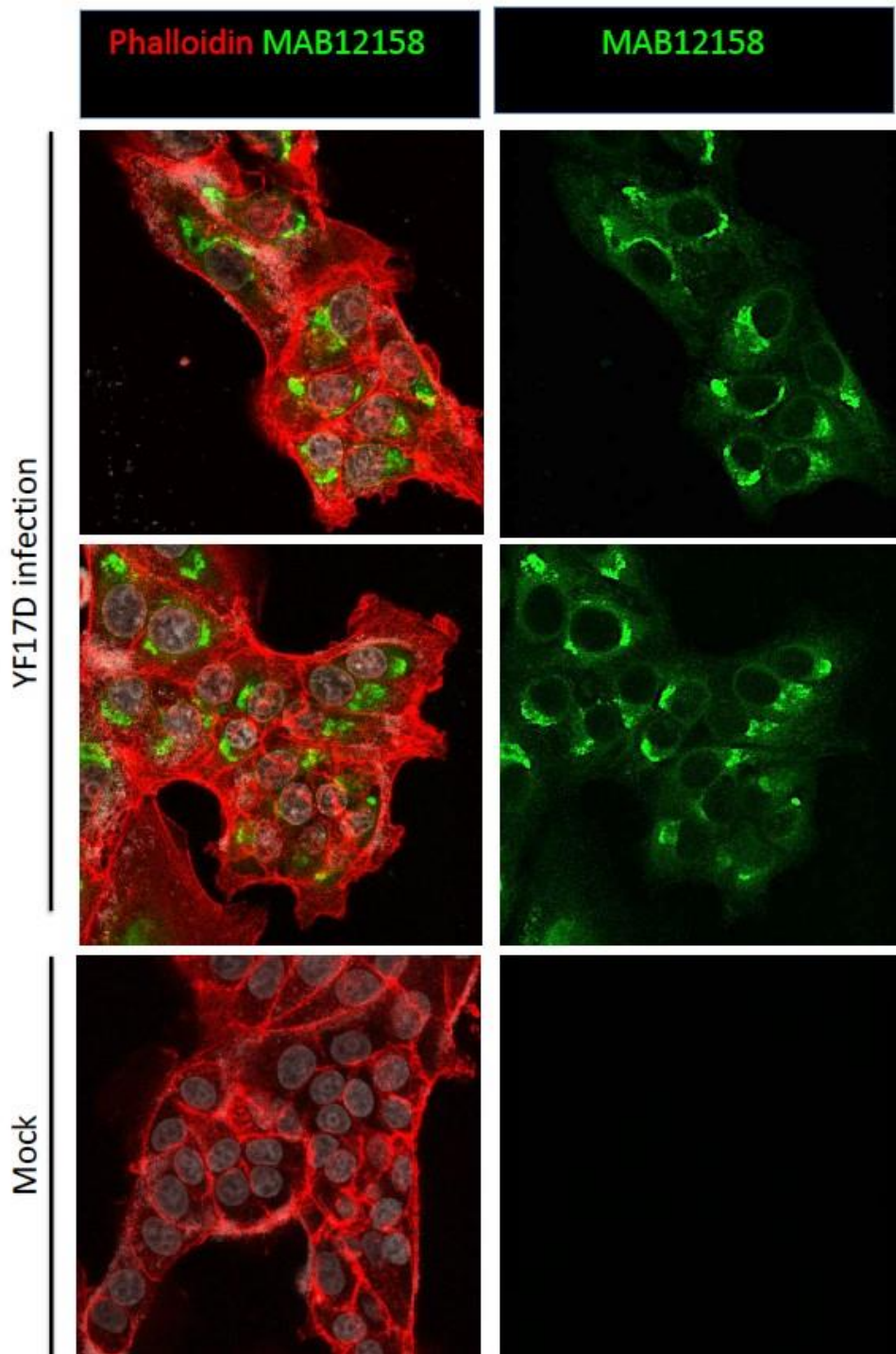
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**ELISA:** ELISA assay was performed using antigens at 0.5ug/ml and antibody at 0.01ug/ml. ELISA plates coated on bench overnight in DPBS 100ul/well, washed once in wash buffer 300ul/well (TBS + 0.1% tween 20) and blocked 2 hours in 1% BSA in D-PBS 300ul/well. Antibodies diluted to working strength in diluent (DPBS + 1% BSA + 0.05% Tween 20 + 0.2% Proclin 950). Added at 100ul/well and incubated 2 hours shaken at ambient temperature. Washed 3 x 300ul/well. Goat anti Mouse IgG-HRP (Biorad103005) diluted 1 in 2500 in diluent, added at 100ul/well and incubated with shaking 1 hour at ambient. Plate washed 6X300ul/well. TMB (KPL Sureblue 5120-0077) added at 100ul/well. Reaction for screening assay stopped by addition of 1M HCl 100ul/well.



**Immunofluorescence:** Vero cells were seeded on coverslips and infected with Yellow Fever 17D virus (YF17D) for 24 h at MOI 2. Control coverslips consisted of uninfected cells. After fixation with 4% PFA, samples were stained with the antibodies. Antibody was used at a dilution of 1:1000 dilution and Triton X-100 was used as detergent. Imaging was performed using a Leica SP5 confocal microscope (Image by Virology Research Services Ltd).



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**Products are for Research Use or for Further Manufacturing Use only. Not for Diagnostic or Therapeutic Use.**