Langford Locks
Kidlington
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Antibody Datasheet

Name: Mouse Anti-Yellow Fever Virus NS1 Antibody (HH7)

Product Code: MAB12157-100 / MAB12157-500

Batch #:

Date of Manufacture:

Product Description: Mouse monoclonal antibody specific for Yellow Fever virus NS1 (clone HH7)

Clone Number: HH7.B.D10.B8

Isotype: IgG1

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: +4ºC

Long Term Storage: -20ºC

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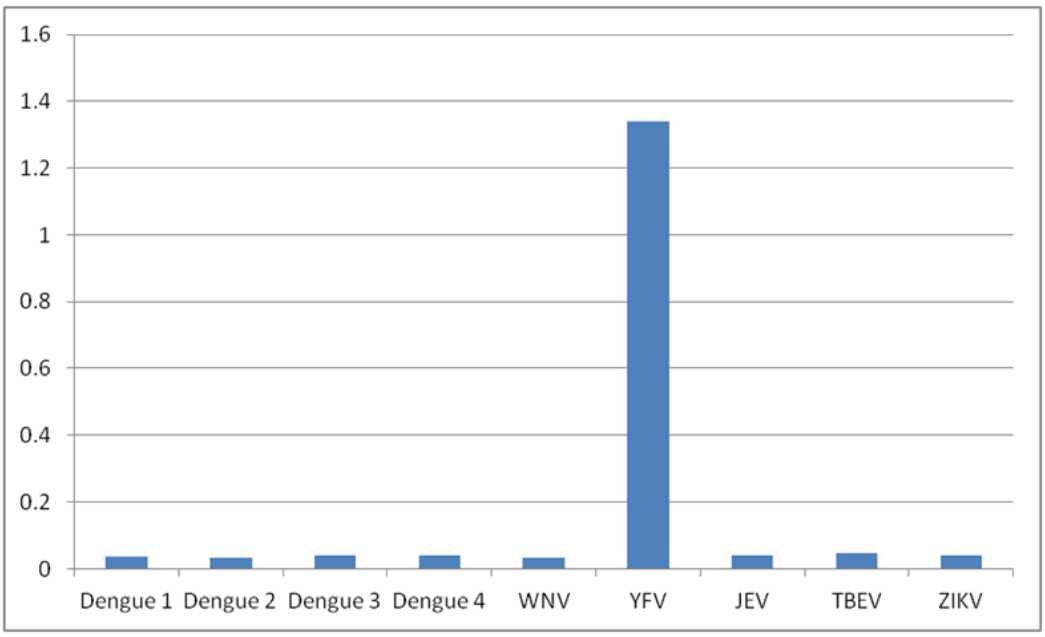
ELISA: ELISA assay was performed using antigens at 0.5ug/ml and antibody at 0.01ug/ml. ELISA plates coated on bench overnight in DPBS 100ul/well, washed once in wash buffer 300ul/well (TBS + 0.1% tween 20) and blocked 2 hours in 1% BSA in D-PBS 300ul/well. Antibodies diluted to working strength in diluent (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.



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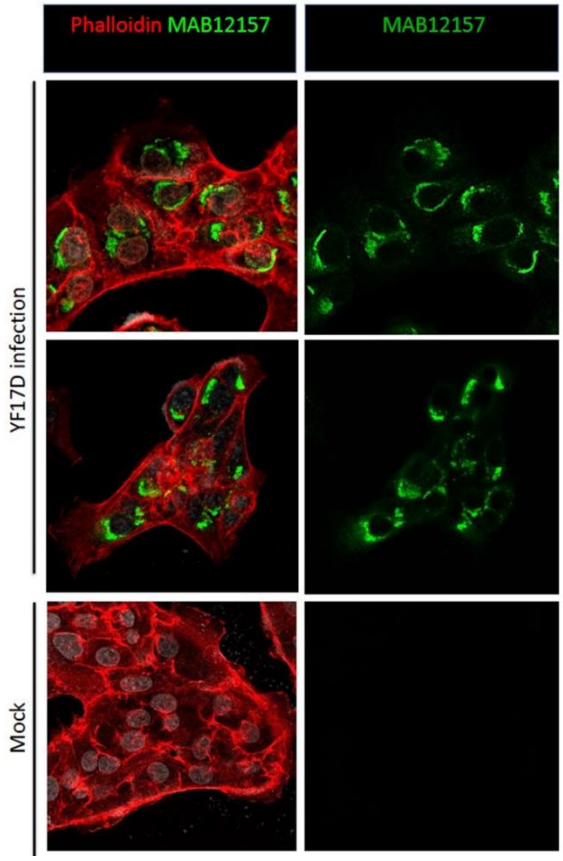
IF: Vero cells were seeded on coverslips and infected with Yellow Fever 17D virus (YF17D) for 24 h at MOI 2. Control coverslips consisted of uninfected cells. After fixation with 4% PFA, samples were stained with the antibodies. Antibody was used at a dilution of 1:1000 dilution and Triton X-100 was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



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QA

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