

Antibody Datasheet

Name: Mouse Anti-Dengue Virus Pan-Serotype NS1 Antibody (DA034)

Product Code: AbDENVNS1-DA034-100 / AbDENVNS1-DA034-500

Batch #:

Date of Manufacture:

Product Description: Mouse monoclonal antibody specific for Dengue virus NS1 (clone DA034).

Clone Number: DA034

Isotype: Mouse IgG1

Amount: 0.1 mg / 0.5 mg

Concentration: 1.0 mg/ml

Purity: >95%

Presentation: Liquid

Buffer: PBS pH7.4

Preservative: 0.09% w/v sodium azide.

Immunogen: Dengue virus cell lysate

Purification: The antibody was purified by affinity chromatography on protein A

Specificity: This antibody is specific for the NS1 protein of Dengue virus, detecting NS1 from all four Dengue virus serotypes strains. It demonstrates negligible cross-reactivity with NS1 protein from Zika virus. A small amount of cross-reactivity has been observed with the NS1 protein from Japanese Encephalitis Virus in a direct ELISA (see results below). No cross-reactivity is seen with Chikungunya virus E1, E2 or C proteins.

Applications: Direct ELISA (NS1 antigen bound to plate)

Usage Guidelines

Short Term Storage: Up to three months at +4°C

Long Term Storage: -20°C

Storage Guidelines: Avoid repeated freeze-thaw cycles.

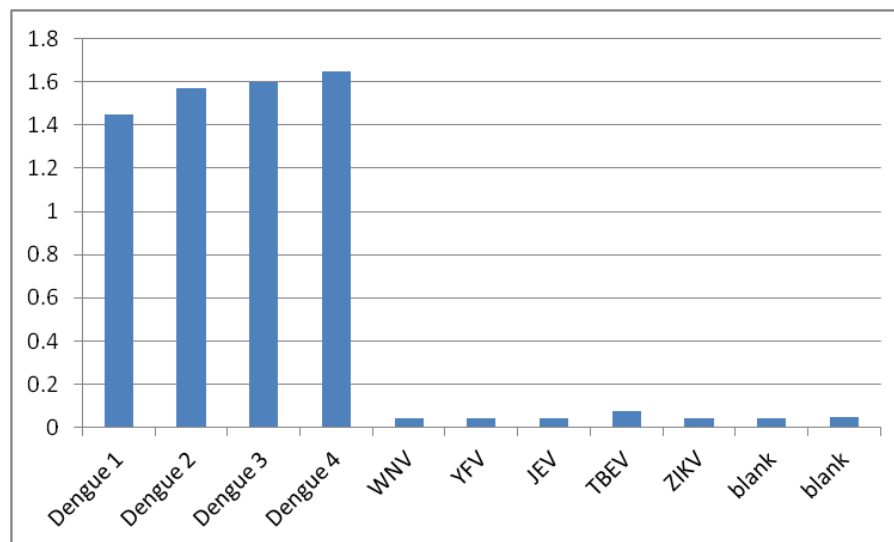


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ELISA: ELISA assay was performed using the method below, with antigens at 0.5µg/ml and antibody at 1µg/ml. ELISA plates coated on bench overnight in 0.1M Carbonate pH 9.6, 100µl/well, washed once in wash buffer 300µl/well (TBS + 0.1% Tween 20) and blocked 2 hours in 1% BSA in D-PBS 300µl/well. Antibodies diluted to working strength in diluent (DPBS + 1% BSA + 0.05% Tween 20 + 0.2% Proclin 950). Added at 100µl/well and incubated 2 hours shaken at ambient temperature. Washed 3 x 300µl/well. Goat anti Mouse IgG-HRP (Biorad103005) diluted 1 in 2500 in diluent, added at 100µl/well and incubated with shaking 1 hour at ambient. Plate washed 6X300µl/well. TMB (KPL Sureblue 5120-0077) added at 100µl/well. Reaction for screening assay stopped by addition of 1M HCl 100µl/well.



QC

Date

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Date

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

