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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Genome polyprotein [3E31] Standard Size Ab04410-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 3E31

Alternative Name(s) of Target: E; Genome polyprotein; Envelope protein E

UniProt Accession Number of Target Protein: Q7TGC7

Published Application(s): neutralization, ELISA

Published Species Reactivity: Dengue virus type 4

Immunogen: The original antibody was raised by immunizing a BALB/c mouse with rEDIII protein from the four DENV serotypes.

Specificity: This antibody is specific for a thermo-sensitive, invariant epitope in domain III of the Dengue virus.

Application Notes: The original version of this antibody was used for a competitive ELISA on DENV-1 or DENV-2 rEDIII protein. Further this antibody was used for a neutralization assay on LLC-MK2 cells infected with virus of each serotype. Finally the ability of this antibody to bind the rEDIII protein an ELISA was performed (Li et al., 2013; PMID:23851440).

Antibody First Published in: Li et al. Dengue virus envelope domain III immunization elicits predominantly cross-reactive, poorly neutralizing antibodies localized to the AB loop: implications for dengue vaccine design J Gen Virol. 2013 Oct;94(Pt 10):2191-2201. [PMID:23851440](#)

Note on publication: The original paper tries to get a better understanding of the antibody response to DENV envelope protein domain III (EDIII) for vaccine development.

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.