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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Genome polyprotein [DV62.5] Ab04449-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human Fab format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Lambda

Clone Number: DV62.5

Alternative Name(s) of Target: Pr; prM; Capsid protein C; Protein prM; Capsid protein; Core protein; Precursor membrane protein; Small envelope protein M; Matrix protein

UniProt Accession Number of Target Protein: A0A024B7W1

Published Application(s): WB, ELISA

Published Species Reactivity: Dengue Virus, Zika Virus

Immunogen: The original antibody were raised from isolating peripheral blood samples from donors diagnosed with dengue fever infection.

Specificity: This antibody is specific for the prM protein from both the dengue virus and the zika virus.

Application Notes: The original version of this antibody was used for a western blot on prM (Beltramello et al., 2010; PMID:20833378). The structure of the original antibody was determined using Cryo-EM (Tan et al., 2020; PMID:32060358). This antibody was used to visualize DENV3-CH53489 in cryo-EM (Morrone et al., 2020; PMID:32561757). This antibody was used for an ELISA on prM and E proteins from the dengue fever virus (Scott et al., 2021; PMID:34578424).

Antibody First Published in: Beltramello et al. The human immune response to Dengue virus is dominated by highly cross-reactive antibodies endowed with neutralizing and enhancing activity Cell Host Microbe. 2010 Sep 16;8(3):271-83. [PMID:20833378](#)

Note on publication: The original paper immortalized memory B cells from individuals after primary or secondary infection and analyzed anti-DENV monoclonal antibodies (mAbs) thus generated.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In:

PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.