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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-Chikungunya virus [CAP5A-F6] Bulk Size Ab04153-10.3-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 IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

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

Clone Number: CAP5A-F6

Alternative Name(s) of Target: CHIKV; IM-CKV065

UniProt Accession Number of Target Protein:

Published Application(s): neutralizing, PRNT, SPR, FC

Published Species Reactivity: Chikungunya virus

Immunogen: The original antibody was generated from a phage Fab library created from the B-cells of CHIKV infected patients. The library was panned against retroviral (Gag core) and CHIKV (alphavirus capsid core) virus-like particles (VLPs) displaying the native form of CHIKV E2/E1.

Specificity: The antibody is specific for chikungunya virus. The epitope was mapped to an area of E2 encompassing domains A and B, and arches 1 and 2. Chikungunya is a mosquito-borne viral disease caused by the chikungunya virus, an RNA virus in the alphavirus genus of the family Togaviridae.

Application Notes: The binding affinity of the original format of the antibody to CHIKV VLPs was measured by surface plasmon resonance ($K_d = 9.3$ nM). The original antibody demonstrated high reactivity with E2/E1 presented on cells, as shown by flow cytometry. The original format of the antibody was tested in a cellular neutralization assay against CHIKVL, where showed an average IC_{50} of 170 ng/ml. The original antibody was tested for antiviral activity using native replication-competent CHIKV viruses. In a plaque reduction neutralization test assay, the antibody could neutralize CHIKV strain 37997 with a PRNT₅₀ value of 81 ng/ml (US9902765B2).

Antibody First Published in: PMID:

Note on publication:

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.