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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Chikungunya virus [CAP5A-F6] Standard Size Ab04153-10.0

Isotype and Format: Human IgG1, 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: 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.