



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Anti-Chikungunya virus [CAP5A-F6] Standard Size Ab04153-23.0

**Isotype and Format:** Rabbit IgG, 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 PRNT<sub>50</sub> 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.