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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-Structural polyprotein [CHK152] Bulk Size Ab04433-3.3-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 mouse IgG2b Fc Silent™ antibody, based on the original mouse IgG2b format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG2b, Fc Silent™, Kappa

Clone Number: CHK152

Alternative Name(s) of Target: p130

UniProt Accession Number of Target Protein: Q8JUX5; Q1H8W5; Q5XXP3

Published Application(s): Blocking, in vitro, in vivo, neutralization, ELISA

Published Species Reactivity: Chikungunya virus

Immunogen: The original version of this antibody was raised by immunizing an adult C57BL/6 mice deficient for interferon regulatory factor 7 with La Reunion 2006 OPY-1 strain of CHIKV.

Specificity: This antibody is specific for the wings of the A domain on E2 of CHIKV.

Application Notes: The structure of the original version of this antibody was determined using cryo-EM. Further the original version of this antibody was used for a neutralization assay on CHIKV and Vero cells (Sun et al., 2013; PMID:23577234) (Pal et al., 2013; PMID:23637602) (Pal et al., 2014; PMID:24829346). The original version of this antibody was used for a prophylaxis study on immunodeficient Ifnar-/- C57BL/6 mice, which were infected with CHIKV (Pal et al., 2013; PMID:23637602) (Pal et al., 2014; PMID:24829346). This antibody was used for an ELISA on different CHIKV virions (Pal et al., 2013; PMID:23637602). The ability of this antibody to reduce viral infection in rhesus macaques was assessed. It showed that it was indeed able to reduce the viral load in these animals (Pal et al., 2014; PMID:24829346). This antibody has shown its ability to block access to CHIKV virions and to block the E2 surface glycoprotein from enzymatic cleavage by trypsin (Blijleven et al., 2022; PMID:35215863).

Antibody First Published in: Pal et al. Development of a highly protective combination monoclonal antibody therapy against Chikungunya virus PLoS Pathog. 2013;9(4):e1003312. [PMID:23637602](#)

Note on publication: The original paper screened 230 new mouse anti-CHIKV monoclonal antibodies (MAbs) for their ability to inhibit infection of all three CHIKV genotypes.

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.