

Anti-E2 protein [Chk265] Standard Size Ab00687-1.1

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1, Lambda

Clone Number: Chk265

Alternative Name(s) of Target: CHIKV E2 B domain; B domain of the E2 glycoprotein

UniProt Accession Number of Target Protein:

Published Application(s): crystallization, NTRL, WB, ELISA, FC, IF

Published Species Reactivity: Alphaviruses, Chikungunya

Immunogen: La Reunion 2006 OPY-1 strain of CHIKV injected into adult C57BL/6 mice deficient for interferon regulatory factor 7 with follow-up boosters.

Specificity: This antibody binds to the B domain of the E2 glycoprotein of alphaviruses, such as Chikungunya virus, O'nyong'nyong virus, Ross River virus, Semliki Forest virus, Mayaro virus, Una virus, Getah virus, Bebaru virus, Middelburg virus, Barmah Forest virus. This antibody was successfully used to detect the E2 glycoprotein of La Reunion, Singapore, and LR2006_OPY1 CHIKV strains.

Application Notes: This antibody binds to the B domain of the E2 glycoprotein of alphaviruses and protects against disease and virus dissemination *in vivo* (Pal et al., 2013; PMID: 23637602) (Fox et al., 2015; PMID: 26553503). The antibody detected CHIKV E2 secretion by AP-61 and C6/36 mosquito cell lines by western blot analysis (Tsai et al., 2023; PMID: 36434113).

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: Describes the generation and characterization of this antibody.

Product Form

Size: 200 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.