



Monoclonal Antibody 4.10C12

Target: Chikungunya virus (CHIKV) E2 protein

Produced in: Mouse

Isotype: IgG2A

Specificity: Recognises CHIKV strains in the two major genotypes (Asian & East/Central/South African). Does not recognise the alphaviruses Ross River virus, Semliki Forest virus, Sindbis virus or Barmah Forest virus in ELISA.

Applications: For Research Use Only

IFA, ELISA, Western blot, *in vitro* virus neutralisation.

IFA: shown to be effective following fixation using 4% formaldehyde or 100% acetone.

ELISA: Can be used in fixed cell ELISA following 4% formaldehyde or $\geq 20\%$ acetone.

Storage: Contains 0.02% sodium azide as a preservative. Store at 4 °C.

Can be aliquoted and stored frozen, but repeated freeze/thawing should be avoided.

Publications: Goh LY, Hobson-Peters J, Prow NA, Gardner J, Bielefeldt-Ohmann H, Pyke AT, Suhrbier A, Hall RA. (2013) Neutralizing monoclonal antibodies to the E2 protein of chikungunya virus protects against disease in a mouse model. *Clin Immunol.* 149(3):487-97.