

DESCRIPTION

Species Reactivity	Viral
Specificity	Detects viral Chikungunya Virus E1 in direct ELISAs.
Source	Monoclonal Mouse IgG _{2A} Clone # 988110
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived transfected with viral Chikungunya Virus E1 Tyr810-Gly1224 Accession # Q8JUX5
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

ELISA Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Chikungunya fever is a pandemic disease caused by the flavivirus Chikungunya (CHIKV). The 47 kDa E1 glycoprotein mediates viral membrane fusion during CHIKV infection. The CHIKV envelope protein E1 is a component of the viral spike, which is composed of triplets of heterodimer of E1 and E2 glycoproteins, expressed on the viral surface. The viral spike proteins facilitate attachment to cell surfaces and viral entry into the cells. The E1 envelope protein is a class II fusion protein that mediates low pH-triggered membrane fusion during virus infection.

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