

Product Information	
Catalog No.	RA10229
Product name	Anti-CHIKV p130/Structural polyprotein Antibody (DC1.9)
Applications	BIF, FCM, IP
Species reactivity	Chikungunya virus (strain S27-African prototype) (CHIKV)
Host species	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone ID	DC1.9
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	1 mg/ml
Purity	>95% as determined by SDS-PAGE.
Purification	Protein A/G purified from cell culture supernatant.
Target	p130, Structural polyprotein
Accession	Q8JUX5
Endotoxin level	Please contact with the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C short term (1-2 weeks). Store at -20°C 12 months. Store at -80°C long term.
Note	For research use only.

Background

Chikungunya virus (CHIKV) is an arthropod-borne alphavirus that causes Chikungunya fever, a re-emerging disease characterized by high fever, rash, and arthralgia. The E2 envelope glycoprotein is a structural protein that forms heterodimers with the E1 glycoprotein and is displayed on the viral surface as part of trimeric spike complexes. E2 is primarily responsible for receptor binding and host cell attachment, playing a key role in viral entry. As a major target of neutralizing antibodies, the E2 protein is widely used in serological diagnostics, vaccine development, and antiviral research.