

Product name:	CHIKV p130/Structural polyprotein Recombinant Antibody (9.8B)
Cat number:	AMRe60066
Conjugate:	Unconjugated
Clone:	Monoclonal
Concentration:	1mg/ml
Host:	Mammalian cells
Isotype:	human IgG1, kappa
Reactivity:	Chikungunya virus (strain S27-African prototype) (CHIKV), Chikungunya virus (strain Nagpur) (CHIKV), Chikungunya virus (strain 37997) (CHIKV)
Applications:	The dilution ratio of the neutralizing antibody should be adjusted according to the specific experimental requirements.
Purification:	Affinity Purified
Form:	Liquid
Buffer:	0.01M PBS, pH 7.4.
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
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.