

**Product Name: CHIKV Spike glycoprotein E2 Mouse  
Monoclonal Antibody  
Catalog #: AMM60089**

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## Summary

<b>Production Name</b>	CHIKV Spike glycoprotein E2 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal antibody
<b>Host</b>	Mouse
<b>Application</b>	WB, ELISA
<b>Reactivity</b>	Chikungunya virus (strain S27-African prototype) (CHIKV), Chikungunya virus (strain Nagpur) (CHIKV), Chikungunya virus (strain 38001) (CHIKV)

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG2b
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	0.01M PBS, pH 7.4.
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	E2
<b>Alternative Names</b>	Structural polyprotein, Envelope glycoprotein E2, Spike glycoprotein E2
<b>SwissProt ID</b>	Q8JUX5, Q5WQY5, Q5XXP3, O90371, P22056, O90369.

## Application

<b>Dilution Ratio</b>	WB 1:500-1:1000 ELISA 1:1000-2000
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## Background

Chikungunya virus (CHIKV) is an arthropod-borne alphavirus that causes Chikungunya fever, a re-emerging disease

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characterized by high fever, rash, and arthralgia. The E2 envelope glycoprotein is a structural protein that forms heterodimers with the E2 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.

**Note**

For research use only.