

**Product Name: CHIKV p130/Structural polyprotein  
Recombinant Antibody (DC2.315)  
Catalog #: AMRe60076**

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## Summary

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|------------------------|------------------------------------------------------------------|
| <b>Production Name</b> | CHIKV p130/Structural polyprotein Recombinant Antibody (DC2.315) |
| <b>Description</b>     | Recombinant Monoclonal antibody                                  |
| <b>Host</b>            | Mammalian cells                                                  |
| <b>Application</b>     | ELISA, FC, IP                                                    |
| <b>Reactivity</b>      | Chikungunya virus (strain S27-African prototype) (CHIKV)         |

## Performance

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                             |
| <b>Modification</b> | Unmodified                                                                               |
| <b>Isotype</b>      | human IgG1, kappa                                                                        |
| <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>         | p130                         |
| <b>Alternative Names</b> | p130, Structural polyprotein |
| <b>SwissProt ID</b>      | Q8JUX5.                      |

## Application

|                       |                                       |
|-----------------------|---------------------------------------|
| <b>Dilution Ratio</b> | ELISA 1:1000-2000 FC 1:50-100 IP 1:20 |
|-----------------------|---------------------------------------|

## 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 E2 glycoprotein and is displayed on the viral surface as part of trimeric spike complexes. E2 is primarily

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responsible for receptor binding and host cell attachment, playing a key role in viral entry.

**Note**

For research use only.