

## Product datasheet

# Anti-Flavivirus E-glycoprotein antibody [HF5-3/D5-3/B10-2] ab214330

[3 Images](#)

### Overview

<b>Product name</b>	Anti-Flavivirus E-glycoprotein antibody [HF5-3/D5-3/B10-2]
<b>Description</b>	Mouse monoclonal [HF5-3/D5-3/B10-2] to Flavivirus E-glycoprotein
<b>Host species</b>	Mouse
<b>Specificity</b>	This monoclonal antibody reacts with a conformational epitope present in DENV1, 2, 3, 4, ZIKV, JEV and WNV.
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Dengue virus 1, Dengue virus 2, Dengue virus 3, Dengue virus 4, Japanese encephalitis virus, Zika virus
<b>Immunogen</b>	Recombinant full length protein corresponding to Dengue virus 1 Flavivirus E-glycoprotein aa 250-800. Database link: <a href="#">P27909</a>
<b>Positive control</b>	WB: DENV1 (Hawaii), DENV2 (NGC), DENV3 (H89), DENV4 (H241), ZIKV (Cambodia), JEV (Nakayama) infected C6/36 cell lysates; ICC/IF: DENV1, DENV2, DENV3, DENV4 and ZIKV infected cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.1% Proclin 150 Constituents: 10% Fetal Bovine Serum (FBS), 89.9% RPMI 1640

<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	HF5-3/D5-3/B10-2
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

## Applications

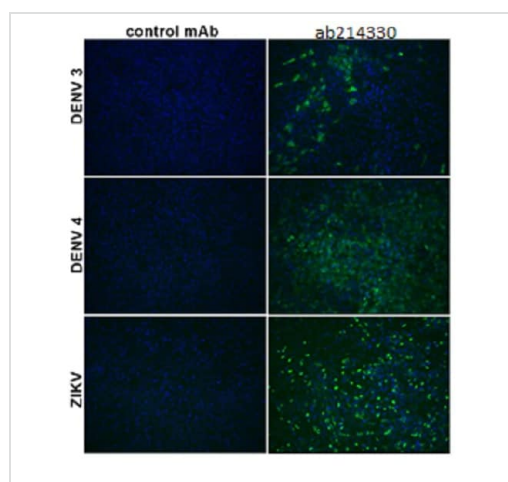
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab214330 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

## Target

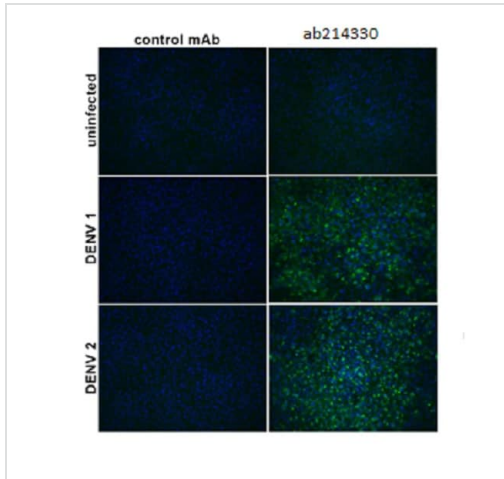
**Relevance** The Flaviviridae are a family of viruses that are primarily spread through arthropod vectors (mainly ticks and mosquitoes). Flaviviridae have monopartite, linear, single-stranded RNA genomes of positive polarity, 9.6- to 12.3-kilobase in length with enveloped and spherical virus particles, about 40-60 nm in diameter.

## Images



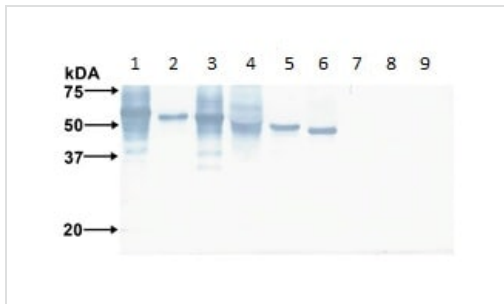
Immunofluorescent analysis of DENV3, DENV4 and ZIKV infected cells labeling Flavivirus E-glycoprotein using ab214330 or an antibody control.

Immunocytochemistry/ Immunofluorescence - Anti-Flavivirus E-glycoprotein antibody [HF5-3/D5-3/B10-2] (ab214330)



Immunofluorescent analysis of DENV1 and DENV2 infected cells and not infected cells labeling Flavivirus E-glycoprotein using ab214330 or an antibody control.

Immunocytochemistry/ Immunofluorescence - Anti-Flavivirus E-glycoprotein antibody [HF5-3/D5-3/B10-2] (ab214330)



**All lanes** : Anti-Flavivirus E-glycoprotein antibody [HF5-3/D5-3/B10-2] (ab214330)

**Lane 1** : DENV1 (Hawaii) infected C6/36 cell lysate

**Lane 2** : DENV2 (NGC) infected C6/36 cell lysate

**Lane 3** : DENV3 (H89) infected C6/36 cell lysate

**Lane 4** : DENV4 (H241) infected C6/36 cell lysate

**Lane 5** : ZIKV (Cambodia) infected C6/36 cell lysate

**Lane 6** : JEV (Nakayama) infected C6/36 cell lysate

**Lane 7** : YFV (17D) infected C6/36 cell lysate

**Lane 8** : WNV (E101) infected C6/36 cell lysate

**Lane 9** : uninfected C6/36 cell lysate (control)

Western blot - Anti-Flavivirus E-glycoprotein antibody [HF5-3/D5-3/B10-2] (ab214330)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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