

Product datasheet

Anti-Flavivirus E-glycoprotein antibody [HF8-1/C1-5/6/D2] ab214331

3 Images

Overview

Product name	Anti-Flavivirus E-glycoprotein antibody [HF8-1/C1-5/6/D2]
Description	Mouse monoclonal [HF8-1/C1-5/6/D2] to Flavivirus E-glycoprotein
Host species	Mouse
Specificity	This monoclonal antibody reacts with a conformational epitope present in DENV1, 2, 3, 4, ZIKV, JEV and WNV.
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Dengue virus 1, Dengue virus 2, Dengue virus 3, Dengue virus 4, Japanese encephalitis virus, West Nile virus, Zika virus
Immunogen	Recombinant full length protein corresponding to Dengue virus 1 Flavivirus E-glycoprotein aa 250-800. Database link: P27909
Positive control	WB: DENV1 (Hawaii), DENV2 (NGC), DENV3 (H89), DENV4 (H241), ZIKV (Cambodia), JEV (Nakayama), WNV (E101) infected C6/36 cell lysates; ICC/IF: DENV1, DENV2, DENV3, DENV4 and ZIKV infected cells.
General notes	<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&As</p>

 [Run BLAST with](#)

 [Run BLAST with](#)

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Preservative: 0.1% Proclin 150 Constituents: 10% Fetal Bovine Serum (FBS), 89.9% RPMI 1640

Purity	Tissue culture supernatant
Clonality	Monoclonal
Clone number	HF8-1/C1-5/6/D2
Isotype	IgG1
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab214331 in the following tested applications.

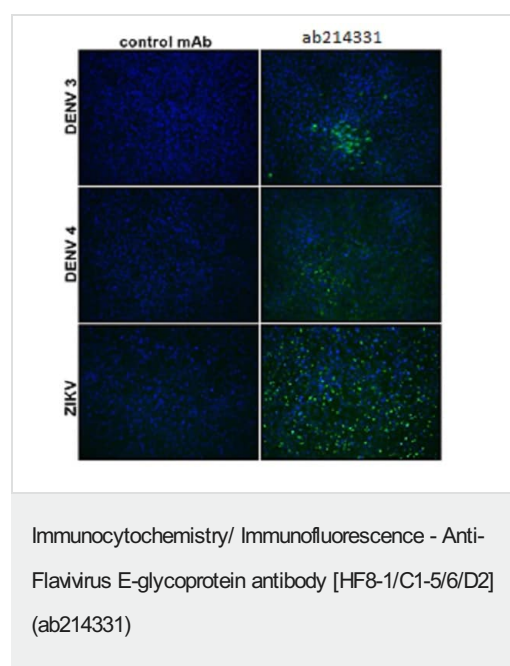
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

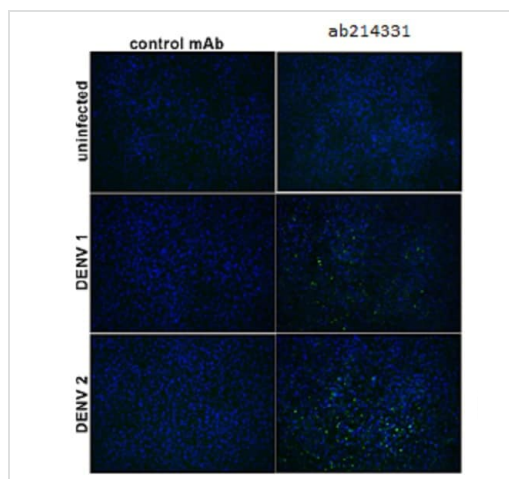
Target

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 ab214331 or an antibody control.



Immunocytochemistry/ Immunofluorescence - Anti-Flavivirus E-glycoprotein antibody [HF8-1/C1-5/6/D2] (ab214331)

Immunofluorescent analysis of DENV1, DENV2 infected cells and uninfected cells labeling Flavivirus E-glycoprotein using ab214331 or an antibody control.



Western blot - Anti-Flavivirus E-glycoprotein antibody [HF8-1/C1-5/6/D2] (ab214331)

All lanes : Anti-Flavivirus E-glycoprotein antibody [HF8-1/C1-5/6/D2] (ab214331)

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 : C6/36 cell lysate control (uninfected)

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

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