

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	<p>Recombinant full length protein corresponding to Dengue Virus 1 Flavivirus E-glycoprotein aa 281-775.</p> <p>Sequence:</p> <pre> MRCVIGIGNRDFVEGLSGATWVDVVLEHGSCVTTMAKNK PTLDIELLKTEV TNPVLRKLC IEAKISNTTDSRCPTQGEATLVEEQDANFVCRRTFVD RGWGNCGLFGKGSLLTCAKFK CVTKLEGKIVQYENLKYSVIVTVHTG DQHQVGNETTEHGTIATITPQAPTSEIQLTDYGA LTLDCSPRTGLDFN EMVLLTMKEKSWLVHKQWFLDLPLPWTSGASTSQETWN RQDLLVTF KT AHAKKQEVVVLGSQEGAMHTALTGATEIQTSGTTTIFAGHL KCRLKMDKL TLKGTSYV MCTGSFKLEKEVAETQHGTVLVQVKYEGTDAPCKIPFSTQ DEKGVTONGRLITANPIVTD KEKPVNIETEPFGEYSYVVGAGEKALK LSWFKKGSSIGKMFETARGARRMAILGDTAW DFGSIGGVFTSVGKLV HQVFGTAYGVLFSGVSWTMKIGIGILLTWLGLNSRSTSLSM TCIAVGM VTLYLGMVQA </pre>

Database link: [P27909](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

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

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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

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.

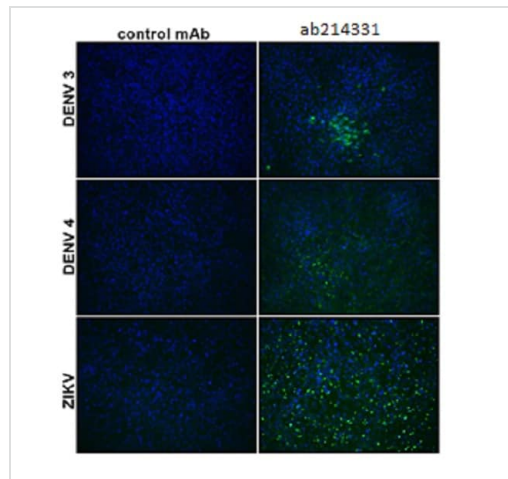
Application	Abreviews	Notes
WB		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.

Target

Relevance

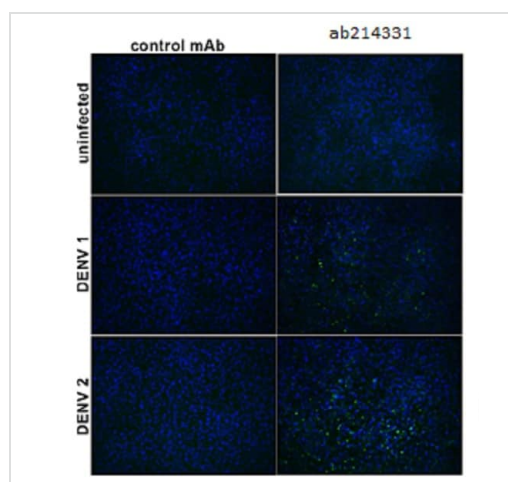
The Flaviviridae are a family of viruses that are primarily spread through arthropod vectors (mainly ticks and mosquitoes). Flaviviridae have monopartite, linear, single-stranded RNA genomes of positive polarity, 9.6- to 12.3-kilobase in length with enveloped and spherical virus particles, about 40-60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

Images



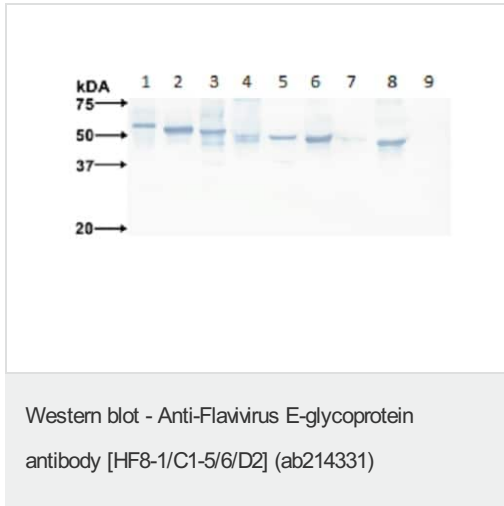
Immunofluorescent analysis of DENV3, DENV4 and ZIKV infected cells labeling Flavivirus E-glycoprotein using ab214331 or an antibody control.

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.

Immunocytochemistry/ Immunofluorescence - 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"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors