Product datasheet

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

Overview

Product name: Anti-Flavivirus E-glycoprotein antibody [HF5-3/D5-3/B10-2]
Description: Mouse monoclonal [HF5-3/D5-3/B10-2] 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, Zika virus
Immunogen: Recombinant full length protein corresponding to Dengue Virus 1 Flavivirus E-glycoprotein aa 281-775.
Sequence:

```
MRCVGIGNRDFVEGLSGATWVDVVLLEHGSCVTTMAK
NKPTLDELLKTEVTNPAVLRLKC
IEAKISNTTDSRCPTQGEATLVEEQDANFVCRRTFVD
RGWNGCGLFGKGSLLTCAKFK
CVTKLEGKIVQYENLKSVMETVHTG
DQHOVGNETTEHGIATITPQAPTSEIQTLTQTYA
LTLDCSPRTGLDFN
EMVLLTMKEKSWLVHKQWFDLPLPWTSGASTSQET
WNRQDLLVTFKTAHAKQOVEVVLGSQEGAMHTALTGATEIQTSGGTTTIFAS
GLHKCRLKMDKTLKGTSYV
MCTGSFKLEKEVAETOHGTYJLQVQVYEGTDAPCKIPF
STQDEKGVTONQRLTANPIVTDDKEKPVNETEPFPFGESYMVGAGEKALK
LSWFKKGSSIGKMFządTARGARRMAILGDTAW
DFGSIGGVFTSVQKLV
HQVFTAYGVLFSGVSWTKIGILLTWGLNSRSTSL
SMTCI AVGM VTLYLGMVQA
```

Database link: P27909

Run BLAST with

Run BLAST with
Positive control

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.

Properties

Form Liquid


Storage buffer Preservative: 0.1% CMIT/MIT 3:1

Purity Tissue culture supernatant

Clonality Monoclonal

Clone number HF5-3/D5-3/B10-2

Isotype IgG1

Light chain type kappa

Applications

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.

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<td>Use at an assay dependent concentration.</td>
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<td>ICC/IF</td>
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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.

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

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

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