Anti-Neutralizing Epitope [ZKA185] Standard Size Ab00835-10.0

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Isotype and Format: Human IgG1, Lambda
Clone Number: ZKA185
Alternative Name(s) of Target: EDE epitope; Neutralizing Non Binder; EDE region; E-dimer dependent region
UniProt Accession Number of Target Protein:
Published Application(s): NTRL
Published Species Reactivity: Zika Virus
Immunogen: mAb ZKA185 was selected from EBV-immortalized memory B cells derived from ZIKV-infected, DENV-naïve human donors based on its ability to neutralize ZIKV infection.
Specificity: This antibody is able to specifically neutralize Zika virus, however it does not react with recombinant envelope protein (E-protein) or EDIII. As a result ZKA185 has been named a "Neutralizing Non-Binder" (NNB) . NNBs interact with quarterny epitopes displayed on infectious virions but not soluble proteins. It is suspected that the epitope ZKA185 lies within the the EDE region (i.e. the E-dimer dependent region), however research into this is still ongoing. No neutralization of or binding to Dengue virus could be detected.
Application Notes: This antibody, in the form of a human IgG1, has been shown to specifically neutralize Zika virus in vitro (strains tested: H/PF/2013 &MR766).
Antibody First Published in: Stettler et al. Specificity, cross-reactivity, and function of antibodies elicited by Zika virus infection. Science. 2016 Aug 19;353(6301):823-6 PMID:27417494
Note on publication: Describes the generation and characterisation of this antibody. Please consult supplementary materials of this publication for details.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -

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20ºC.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.

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