

Anti-NS1 [ZKA25] Standard Size Ab01006-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors. Made with Antibody Sequences licensed from Humabs Biomed SA.

Isotype and Format: Human IgG1, Fc Silent™, Lambda

Clone Number: ZKA25

Alternative Name(s) of Target: ZKV NS1; Non-structural protein 1

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Zika Virus

Immunogen: Antibody ZKA25 was isolated from peripheral blood mononuclear cell (PBMC) and blood plasma collected from a ZIKV-infected patient.

Specificity: ZKA25 reacts specifically with ZIKV NS1, shown by ELISA (Stettler et al, 2016). The mAb does not show cross-reactivity with NS1 protein from any of the four DENV serotypes.

Application Notes: ZKA25 was shown to react specifically with ZIKV, and not DENV1-4, NS1 protein by standard ELISA (Stettler et al, 2016). This mAb was also used in a sandwich ELISA as a serological diagnostic tool to detect viral NS1 from biological fluids obtained from patients with diagnosed ZIKV and DENV infection. This antibody can be used as a positive control in the detection of Zika virus using the blockade-of-binding assays described by Balmaseda (PMID: 28716913 and 29305550) in combination with antibody ZKA35 (Ab01036-10.0-BOB).

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 isolation and characterisation of a large panel of human mAbs both targeting ZIKV proteins as well as mAbs cross-reactive with DENV.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

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.