

## Anti-NS1 [ZKA25] Bulk Size Ab01006-49.0-BT

This antibody does not have a J-chain. Made with Antibody Sequences licensed from Humabs Biomed SA.

This chimeric ferret antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Ferret IgM

**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:** 500 µg Purified antibody in bulk size.

**Purification:** Affinity Purified using a recombinant lectin column

**Supplied In:** PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.