

Anti-NS1 [clone n.10] Standard Size Ab03635-10.0

This full-length reformatted human antibody was made using the variable domain sequences of the original Human scFv format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Human IgG1, Kappa

Clone Number: clone n.10

Alternative Name(s) of Target: Non-structural protein-1; NS1A

UniProt Accession Number of Target Protein: Q2F4N6

Published Application(s): inhibition, WB, ELISA

Published Species Reactivity: Influenza A (H5N1)

Immunogen: The original antibody was originated from a phage display library by panning against the NS1 protein.

Specificity: The antibody is specific for the E domain of the non-structural protein-1. The antibody reacts with viruses belonging to different subtypes and types including avian H5N1, swine H1N1 and H3N2, human H1N1 and H3N2 and influenza B virus. Non-structural protein-1 (NS1) is a multifunctional and conserved protein of influenza viruses. It is produced at the initial phase of the infection for suppressing and evading the host immune responses and enhancing the viral replication.

Application Notes: The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody detected the E domain of NS1 by western blot analysis. The original format of the antibody inhibited influenza virus replication in the infected MDCK cells. The clone could enter the influenza virus infected cells and interfered with the NS1 activities leading to replication inhibition of viruses belonging to different subtypes and types including avian H5N1, swine H1N1 and H3N2, human H1N1 and H3N2 and influenza B virus (Yodsheewan et al. 2013; PMID: 23928258).

Antibody First Published in: Yodsheewan et al. Human monoclonal ScFv specific to NS1 protein inhibits replication of influenza viruses across types and subtypes. Antiviral Res. 2013 Oct;100(1):226-37.

[PMID:23928258](#)

Note on publication: The original paper describes the generation and characterization of the antibody.

Product Form

Size: 100 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.