



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-NS1 [clone n.10] Ab03635-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

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, Fc Silent™, 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:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**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.