



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-Blue tongue virus [H2] Standard Size Ab03603-21.0

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This full-length, chimeric mouse antibody was made using the variable domain sequences of the original Chicken scFv format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse IgM, Kappa

**Clone Number:** H2

**Alternative Name(s) of Target:** BTV; complete virus; whole cells

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA

**Published Species Reactivity:** Blue tongue virus (BTV)

**Immunogen:** This antibody was generated by panning against purified virus using a antibody library from five different 5-week old white leghorn hens.

**Specificity:** This antibody is specific for the Blue tongue virus. It is the pathogen that causes blue tongue disease in ruminants.

**Application Notes:** To show that this antibody can detect virus particles, a sandwich ELISA was performed on blue tong virus, it showed a positive result (van Wyngaardt et al, 2004; PMID: 15059288). In a different study the scFv version of this antibody was omitted from an ELISA due to inconsistent results or low ELISA signal (Rakabe et al, 2011)

**Antibody First Published in:** van Wyngaardt et al. A large semi-synthetic single-chain Fv phage display library based on chicken immunoglobulin genes. BMC Biotechnol. 2004 Apr 1;4:6. [PMID:15059288](#)

**Note on publication:** A large library of recombinant filamentous bacteriophages displaying single chain antibody fragments derived from combinatorial pairings of chicken variable heavy and light chains was constructed. Synthetically randomised complementarity determining regions are included in some of the heavy chains. Single chain antibody fragments that recognise haptens, proteins and virus particles were selected from this repertoire.

## Product Form

**Size:** 50 µg Purified antibody.

**Purification:**

Affinity Purified using a recombinant lectin column

**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.