



# 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

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-VACV [SC212] Ab03517-30.11-BT

This is an scFv fragment with a His tag.

**Isotype and Format:** scFv fragment (His), ScFv

**Clone Number:** SC212

**Alternative Name(s) of Target:** VV

**UniProt Accession Number of Target Protein:**

**Published Application(s):** in vitro neutralization, ELISA

**Published Species Reactivity:** Vaccinia virus

**Immunogen:** A phage display library of human single chain variable fragment (scFv) antibodies was constructed from the B cells of healthy volunteers boosted by the VACV vaccine. Human scFv was isolated by panning against VACV.

**Specificity:** The antibody is specific for VACV.

**Application Notes:** The scFv fragment was converted to human IgG1 (VC212). The binding affinity of VC212 was estimated by competition ELISA to IC50 values 22 µg/ml (146.67 nM). The humanized version of the antibody neutralized the VACV, as evidenced by the plaque reduction neutralization test result with a PRNT50 of ~0.16 mg/ml (~1.07 µM) (Shin et al., 2019; PMID: 30856707).

**Antibody First Published in:** Shin et al. Selection of Vaccinia Virus-Neutralizing Antibody from a Phage-Display Human-Antibody Library J Microbiol Biotechnol. 2019 Apr 28;29(4):651-657. [PMID:30856707](#)

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

## Product Form

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

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**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.