



# 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-Gn [RV-Gn1] Standard Size Ab03696-1.1

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** RV-Gn1

**Alternative Name(s) of Target:** RVFV Gn; p78; Glycoprotein G1; Glycoprotein N

**UniProt Accession Number of Target Protein:** P21401

**Published Application(s):** crystallography, in vivo, neutralizing, ELISA

**Published Species Reactivity:** Rift Valley fever virus

**Immunogen:** The original antibody was generated by immunizing New Zealand White rabbits with the full-length RVFV Gn ectodomain.

**Specificity:** The antibody is specific for the Gn protein. The antibody is directed to the membrane-distal domain of RVFV Gn.

**Application Notes:** The specificity of the original format of the antibody was confirmed by ELISA analysis. The antibody was able to neutralize RVFV in vitro. A plaque reduction neutralization test (PRNT) demonstrated that the antibody neutralized RVFV with half-maximal inhibitory concentration (IC50) values ranging from 2.1 to 3.0 µg/mL. The antibody protected against RVFV challenge in a murine infection model. The structure of rift valley fever virus Gn in complex with the Fab fragment of the antibody was determined, revealing that the antibody targeted to the membrane-distal head region of RVFV Gn (Allen et al., 2018; PMID: 30590046).

**Antibody First Published in:** Allen et al. A Protective Monoclonal Antibody Targets a Site of Vulnerability on the Surface of Rift Valley Fever Virus. Cell Rep. 2018 Dec 26; 25(13): 3750–3758.e4. [PMID:30590046](#)

**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.