



# 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-G [HENV-26] Standard Size Ab04491-10.0

**Isotype and Format:** Human IgG1, Lambda

**Clone Number:** HENV-26

**Alternative Name(s) of Target:** RBP; Glycoprotein; Glycoprotein G; Attachment glycoprotein; Receptor binding protein;

**UniProt Accession Number of Target Protein:** Q9IH62; F4YH71; H6V875; O89343

**Published Application(s):** flow cytometry, in vivo, neutralization, SPR, X-ray crystallography, ELISA

**Published Species Reactivity:** Hendra henipavirus, Nipah virus

**Immunogen:** The original antibody was isolated from an immune human individual.

**Specificity:** The antibody is specific for RBP of HeV and NiV. The antibody epitope overlaps with the receptor binding sites of RBP.

**Application Notes:** The specificity of the original format of the antibody for recombinant RBP head domain proteins from HeV, NiVM, or NiVB was confirmed by ELISA analysis (EC<sub>50</sub> = 0.14, 0.09 and 0.07 µg/mL respectively). The antibody could neutralize HeV, NiVB and NiVM in In vitro neutralization assays (IC<sub>50</sub> = 0.07, 0.03 and 0.04 µg/mL respectively). The antibody could bind to the full-length RBPs by flow cytometry. The EC<sub>50</sub> values for binding of the antibody ranged from 325 to 343 ng/mL for binding to HeV, NiVM, or NiVB. The kinetics of binding of the antibody to RBPs was measured on a biosensor to determine affinity (K<sub>D</sub> = 2.9, 2.2, or 1.0 nM for HeV, NiVM, or NiVB, respectively). The crystal structures of Fab fragment of the antibody in complex with both HeV-RBP and NiV-RBP were determined. The antibody protected ferrets in lethal models of infection with NiV (Dong et al., 2020; PMID: 33306954).

**Antibody First Published in:** Dong et al. Potent Henipavirus Neutralization by Antibodies Recognizing Diverse Sites on Hendra and Nipah Virus Receptor Binding Protein Cell. 2020 Dec 10;183(6):1536-1550.e17. doi: 10.1016/j.cell.2020.11.023. PMID:33306954

**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.