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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Gn [RV-Gn1] Bulk Size Ab03696-23.0-BT

Isotype and Format: Rabbit IgG, 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: 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.