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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-VP1 protein [F24G2] Bulk Size Ab03890-5.0-BT

Isotype and Format: Mouse IgG3, Kappa

Clone Number: F24G2

Alternative Name(s) of Target: FMD; VP1; Genome polyprotein; Capsid protein VP1; Virion protein 1; Protein VP1; P1D; A24 Cruzeiro; 1955 serotype A; FMDV A24 Cruzeiro; FMDV Asia I

UniProt Accession Number of Target Protein: P03309

Published Application(s): neutralize, WB, ELISA

Published Species Reactivity: Foot-and-mouth disease virus (FMDV)

Immunogen: The original antibody was generated by immunizing BALB/c mice with recombinant FMDV A24 cruzeiro VP1 protein in an equal part of complete Freund's Adjuvant.

Specificity: This antibody recognizes a trypsin sensitive, linear, heat stable epitope of the capsid protein VP1 protein of the foot-and-mouth disease virus (FMDV). FMDV is a picornavirus, the prototypical member of the genus Aphthovirus. FMDV causes a mild, contagious viral infection common in young children characterized by vesicles (blisters) or sores in the mouth and a rash on the hands and feet. It can also affect cattle, pigs, sheep, goats, and other cloven-hoofed animals.

Application Notes: This antibody can successfully recognize and capture 24 Cruzeiro and Asia I FMD virus specifically in ELISA using whole virus. This antibody was also reported to neutralize the infectivity of A24 serotype in vitro. This antibody can recognize recombinant AVP1 protein but failed to react with trypsin-treated TT-AVP1, CVP1, and OVP1 in a western blot (Bratc, 2005).

Antibody First Published in: Jelena Bratic Immunochemical and Biological Characterization of Neutralizing and Cross-Reactive Murine Monoclonal Antibodies to Foot-and-Mouth Disease Virus Thesis submitted to the Department of Medical Microbiology, University of Manitoba. [PMID:](#)

Note on publication: This research work describes the generation and characterization of three antibodies against FMD virus.

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.