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Produktinformation



Forschungsprodukte & Biochemikalien



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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 [4C4] Standard Size Ab03263-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 4C4

Alternative Name(s) of Target: VP1; Genome polyprotein; Capsid protein VP1; Virion protein 1; Protein VP1; P1D; serotype C (clone C-S8c1); FMDV C1 Brescia It/64

UniProt Accession Number of Target Protein: P15072

Published Application(s): neutralize, WB, ELISA

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

Immunogen:

Specificity: This antibody is specific for the major antigenic site A (G-H loop) of the VP1 protein of the foot-and-mouth disease virus (FMDV). It is reported to recognize the amino acid sequence 'YTTSTRGDLAHVTTT'. FMDV 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: The reactivity of this antibody to whole virus particles was determined using ELISA (PMID: 1690261). This antibody is capable of neutralizing the FMDV serotype C-S8c1 and FMDV C1 Brescia It/64 (PMID: 1690261; 10069951; 9420281). This antibody can also recognize both C1 Brescia It/64 and C-S8c1 in a western blot assay (PMID: 9420281; 1690261).

Antibody First Published in: Mateu et al. A single amino acid substitution affects multiple overlapping epitopes in the major antigenic site of foot-and-mouth disease virus of serotype C. J Gen Virol. 1990 Mar;71 (Pt 3):629-37. [PMID:1690261](#)

Note on publication: Various antibodies against FMDV were used to define multiple antigenic epitopes on the surface of FMDV serotype C.

Product Form

Size: 200 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.