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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Capsid protein VP1 [Mab14] Bulk Size Ab04384-2.0-BT

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: Mab14

Alternative Name(s) of Target: Coat protein VP1; CPV-2; Fab 14; Antibody 14; ABCD_AD535

UniProt Accession Number of Target Protein: P17455

Published Application(s): cryoEM, crystallography, HI, NTRL, RIA, ELISA

Published Species Reactivity: canine parvovirus

Immunogen: The original antibody was generated by immunizing BALB/c mice with purified Capsids of CPV and FPV which were prepared from infected feline cells.

Specificity: This antibody is specific for Site A of CPV-2's capsid.

Application Notes: The original version of this antibody (IgG2a) was raised and tested against CPA, FPV, and MEV and was found to inhibit and neutralize CPV-a and -b in neutralization and HI assays (Parrish et al., 1982; PMID: 6180709). The original version of this antibody was used in RIA and HI assays. In the HI test, it was found to inhibit CPV-a;-b;-c-;-d; and -e, and in the RIA, it was found to react with CPV-d variants 6, 12, and 8 (Parrish and Carmichael, 1983; PMID: 6194613). The Fab version of this antibody was used in a cryoEM analysis of capsid:Fab complexes, and its Kd was measured via ELISA as 3.4×10^{-9} M (Nelson et al., 2007; PMID: 17217977). The Fab version of this antibody was crystallized, and its structure was determined (Hafenstein et al., 2009; PMID: 19321620).

Antibody First Published in: Parrish et al. Antigenic relationships between canine parvovirus type 2, feline panleukopenia virus and mink enteritis virus using conventional antisera and monoclonal antibodies. Arch Virol. 1982;72(4):267-78. doi: 10.1007/BF01315223. [PMID:6180709](#)

Note on publication: The original publication investigates the antigenic relationships between canine parvovirus type 2 (CPV), feline panleukopenia virus (FPV), and mink enteritis virus (MEV) using conventional antisera and monoclonal antibodies.

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.