



# 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-Capsid protein VP1 [Mab14] Standard Size Ab04384-2.0

**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  $3.4 \times 10^{-9}$  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:** 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.