

Anti-Parvovirus [MAbE] Standard Size Ab00935-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Rat IgG2b format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: MAbE

Alternative Name(s) of Target: canine parvovirus; CPV; feline panleukopenia virus; FPV

UniProt Accession Number of Target Protein:

Published Application(s): IP, Neutralisation, RIA, ELISA, EM

Published Species Reactivity: canine parvovirus, feline panleukopenia virus

Immunogen: This antibody was raised by immunising rats with feline panleukopenia virus (FPV)-b.

Specificity: This antibody recognises both canine parvovirus (CPV-a and -b), feline panleukopenia virus (FPV-a and -b), binding to antigenic site B on the capsid. It also cross-reacts with mink enteritis virus.

Application Notes: This antibody is able to neutralise FPV-a and -b and CPV- and -b in haemagglutination inhibition assays (Parrish & Carmichael, 1983). It has also been used in immunoprecipitation and RIA analysis (Parrish & Carmichael, 1983). A Fab derived from this antibody has also been shown, in ELISA experiments, to recognise CPV and FPV capsids (Nelson et al, 2007), and to potently neutralise CPV (Organtini et al, 2016). This Fab has also been used in cryo-electron microscopy to determine the structure of CPV (Organtini et al, 2016).

Antibody First Published in: Parrish & Carmichael Antigenic structure and variation of canine parvovirus type-2, feline panleukopenia virus, and mink enteritis virus. *Virology*. 1983;129 (2):401-414. [PMID:6194613](#)

Note on publication: Describes the original generation of this antibody, and its characterisation.

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.