

Anti-Feline Calicivirus [1D7] Bulk Size Ab01212-23.0-BT

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

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 1D7

Alternative Name(s) of Target: FCV; Capsid protein; Coat protein; CP; VP1

UniProt Accession Number of Target Protein: P27405

Published Application(s): NTRL, ELISA

Published Species Reactivity: Feline calicivirus

Immunogen: The original antibody was raised by immunizing BALB/c mice with feline calicivirus infected CRFK cells. After two weeks, mouse lymphocytes and mouse myeloma cells (P3U1) were cell-fused with polyethylene glycol to prepare hybridomas.

Specificity: 1D7 is capable of neutralizing all these FCV strains: F4, F1, F3, F5, F7, F6, F8, F11, F14, F25, FC, FR, FPL, CFI, FJ, 227, 337, and KDC. Does not recognise the denatured antigen.

Application Notes: This antibody binds and neutralizes the feline calicivirus. It is capable of detecting the virus in an ELISA. Neutralisation assays confirmed 1D7 neutralises feline calicivirus at 208.2 ng/ml. The K_i of 1D7 is 1 μ g/ml. This antibody is not capable of recognizing the denatured FCV antigen in an immunoblot assay. It was considered that the 1D7 epitope might exist in a conserved region on the capsid protein because of the ability of 1D7 to neutralize all the strains of FCV tested (PMID:1708228).

Antibody First Published in: Tohya et al. Neutralizing epitopes of feline calicivirus. Arch Virol (1991); 117(3-4):173-81. [PMID:1708228](#)

Note on publication: Describes the generation of this antibody along with others and using them to analyze neutralizing epitopes of the F4 strain of FCV.

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.