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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Nucleoprotein [1N8] Ab03467-30.11-BT

This is an scFv fragment with a His tag.

Isotype and Format: scFv fragment (His), ScFv

Clone Number: 1N8

Alternative Name(s) of Target: Canine distemper virus; CDV N protein; N; Protein N; Nucleocapsid protein

UniProt Accession Number of Target Protein: P04865

Published Application(s): WB, ELISA, IF

Published Species Reactivity: Canine distemper virus, Canine morbillivirus

Immunogen: The original antibody was generated by cloning the variable region sequences of the heavy and light chains of the mouse antibody and recombinantly expressing it in E. coli.

Specificity: This antibody bind an epitope between amino acids 277-471 of protein N of canine distemper virus (CDV). The minimal linear epitope that can be recognized by 1N8 was narrowed down to amino acids 350 LNFGRSYFDPA 360 of the N protein. Canine distemper is a viral disease caused by CDV that attacks the respiratory, gastrointestinal and nervous systems of puppies and dogs. The virus can also be found in wildlife such as foxes, wolves, coyotes, raccoons, skunks, mink and ferrets and has been reported in lions, tigers, leopards and other wild cats as well as seals.

Application Notes: This antibody can bind protein N of canine distemper virus in a western blot. Indirect immunofluorescence assay demonstrated that they could recognize native N protein in CDV-infected Vero cells (PMID: 24555938). The antigen binding affinity of the scFv antibody was done using ELISA (PMID: 26301925). Alignment analysis of the amino acid sequences indicated that the epitope that this antibody binds is highly conserved among CDV strains (PMID: 26514066).

Antibody First Published in: Yi et al. A monoclonal antibody against truncated N protein (aa 277-471) of canine distemper virus. Monoclon Antib Immunodiagn Immunother. 2014 Feb;33(1):52-6. [PMID:24555938](#)

Note on publication: Describes the generation and characterization of this antibody.

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.