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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-Coat protein [scFvB9] Bulk Size Ab03658-23.0-BT

Isotype and Format: Rabbit IgG, Kappa

Clone Number: scFvB9

Alternative Name(s) of Target: CpCDV; CpCDV coat protein; CpCDV capsid protein; V1; CP; capsid protein; CpCDV-scFvB9

UniProt Accession Number of Target Protein: A0A0H4SQY8

Published Application(s): WB, ELISA

Published Species Reactivity: Chickpea chlorotic dwarf virus (CpCDV)

Immunogen: The original antibody was isolated from Tomlinson phage display antibody library by screening against coat protein of Chickpea chlorotic dwarf virus (CpCDV) expressed in Escherichia coli strain Rosetta (DE3).

Specificity: This antibody binds the coat protein of Chickpea chlorotic dwarf virus (CpCDV). CpCDV is a monopartite, single-stranded circular DNA virus in the genus Mastrevirus and family Geminiviridae. It is transmitted by Orosius albicinctus in a circulative (persistent) and nonpropagative manner. It is the causative agent for Chickpea stunt disease (CSD) that is a threat to chickpea production leading to yield losses of 75–95%. Symptoms of CSD include very small leaves, intense discoloration (yellowing (kabuli type) and reddening (desi type)), and bushy stunted appearance of the plant.

Application Notes: The affinity characterization of this antibody for Chickpea chlorotic dwarf virus (CpCDV) was done using ELISA. This antibody reacted with recombinant coat protein of CpCDV in a western blot (PMID: 32970278).

Antibody First Published in: Raeisi et al. Isolation of single-chain variable fragment (scFv) antibodies for detection of Chickpea chlorotic dwarf virus (CpCDV) by phage display. Arch Virol. 2020 Dec;165(12):2789-2798. [PMID:32970278](#)

Note on publication: This paper describes the development and characterization of a recombinant monoclonal antibody for CpCDV which can be used as a diagnostic tool.

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.