



# 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-Coat protein [scFvB9] Standard Size Ab03658-30.11

This is an scFv fragment with a His tag.

This is a reformatted human scFv antibody, based on the original human scFv format, created for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** scFv fragment (His), ScFv

**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:** 100 µg Purified antibody.

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**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.