



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-Citrus tristeza virus coat protein [3DF1] Standard Size Ab03659-23.0

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** 3DF1

**Alternative Name(s) of Target:** CP; CTV; CTV capsid protein; CTV coat protein; capsid protein, coat protein; p25 major coat protein

**UniProt Accession Number of Target Protein:** Q00686

**Published Application(s):** neutralize, ELISA

**Published Species Reactivity:** Citrus tristeza virus (CTV)

**Immunogen:** The original antibody was generated by immunizing BALB/c mice intraperitoneally with Citrus tristeza virus (isolate T-308) preparation.

**Specificity:** This antibody binds the p25 major coat protein of the Citrus tristeza virus (CTV). This antibody cannot bind the CTV isolate T-397-P. Tristeza is the most important virus disease of citrus worldwide. It is caused by citrus tristeza virus (CTV), a closterovirus that is naturally spread in the fields by aphids in a semipersistent manner and is also easily transmitted by grafting. CTV is a monopartite, single stranded RNA virus encapsulated in a coat protein.

**Application Notes:** This antibody can be used for the detection of Citrus tristeza virus in crude extracts of plants infected with isolates T-300 or T-308 using ELISA and double antibody sandwich ELISA. This antibody reacted with 20 CTV isolates from different Spanish citrus areas as well as with CTV isolates from California (T-514) and two unclassified from Iran and Vietnam in an ELISA (Vela et al., 1986). Transgenic plants expressing this antibody showed both a delay in symptom appearance and attenuation of symptom intensity. Overall, 40–60% of the plants were resistant, as revealed by the absence of virus antigens in tissue-print ELISA (PMID: 20204695).

**Antibody First Published in:** Vela et al. Production and Characterization of Monoclonal Antibodies Specific for Citrus Tristeza Virus and Their Use for Diagnosis. *J. gen. Virol.* (1986), 67, 91-96. [PMID:](#)

**Note on publication:** Describes the generation and characterization of two mouse antibodies against Citrus tristeza virus.

### Product Form

**Size:** 100 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.