



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Anti-Citrus tristeza virus coat protein [3CA5] Bulk Size Ab03660-3.0-BT

**Isotype and Format:** Mouse IgG2b, Kappa

**Clone Number:** 3CA5

**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). 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:** 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.