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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Citrus tristeza virus coat protein [3DF1] Standard Size Ab03659-3.0

Isotype and Format: Mouse IgG2b, 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.