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

Quellenstraße 110, A-1100 Wien

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

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

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Anti-Tobacco mosaic virus [Mab24] Standard Size Ab03667-23.0

Isotype and Format: Rabbit IgG, Kappa
Clone Number: Mab24
Alternative Name(s) of Target: TMV; neotope; intact TMV virions; intact birus; Nicotiana tabacum; rAb24
UniProt Accession Number of Target Protein:
Published Application(s): neutralize, ELISA
Published Species Reactivity: Tobacco mosaic virus (TMV)
Immunogen:
Specificity: This antibody recognizes a neotope on the surface of intact Tobacco mosaic virus (TMV) particles. TMV is a positive-sense single-stranded RNA virus species in the genus Tobamovirus that infects a wide range of plants, especially tobacco. Symptoms induced by Tobacco mosaic virus (TMV) are somewhat dependent on the host plant and can include mosaic, mottling, necrosis, stunting, leaf curling, and yellowing of plant tissues.
Application Notes: Infection of transgenic F1 plants producing mAb24-P with TMV showed a reduction of necrotic lesion numbers which is correlated with the amount of antibody produced in transgenic plants. This antibody is capable of inhibiting the infectivity of the virus if TMV is adsorbed in vitro at ratios as low as 300 antibody molecules per virion prior to inoculation (Voss et al., 1995). This antibody was used in the generation of a bispecific antibody biscFv2429 in transgenic suspension culture cells and tobacco plants, wherein two antibodies scFv24 and scFv29 were connected by the Trichoderma reesi cellobiohydrolase I linker. These antibodies bind two different epitopes of TMV. The epitope specificity of this antibody was determined using ELISA (PMID: 10411643). This antibody was used for the magnetic immunodetection of TMV (PMID: 25710366). This antibody was also used in the generation of recombinant fusion proteins scFv24-PDGFR and scFv24-TcRβ in transgenic tobacco suspension cultures and transgenic plants. Bioassays of viral infection showed that transgenic tobacco plants expressing scFv24-TcRβ were resistant to TMV infection (Schillberg et al., 2000).
Antibody First Published in: Fischer et al. Affinity-purification of a TMV-specific recombinant full-size antibody from a transgenic tobacco suspension culture. J Immunol Methods. 1999 Jun 24;226(1-2):1-10. PMID:10410966
Note on publication: Describes the expression and purification of a recombinant anti-TMV antibody in a transgenic tobacco plant.

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^{o}C for up to 3 months. For longer storage, aliquot and store at -20^{o}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.