

Anti-BNYVV Coat Protein [14cG6] Standard Size Ab01191-1.1

Isotype and Format: Mouse IgG1, Kappa

Clone Number: 14cG6

Alternative Name(s) of Target: Beet necrotic yellowvein virus coat protein; BNYVV CP

UniProt Accession Number of Target Protein: Q9YZK2

Published Application(s): dotblot, WB, ELISA

Published Species Reactivity: BNYVV

Immunogen: This antibody was raised by injecting purified BNYVV CP into mice.

Specificity: Specific for epitope 4b (RTSP) which are amino acids 182-186 on the BNYVV coat protein. Binding is inhibited by large concentrations of plant material, and the epitope is readily cleaved in the presence of proteases.

Application Notes: This antibody is specific for epitope 4b of the BNYVV coat protein. Its binding specificity has been confirmed in dot blots (Commandeur et al, 1994) and western blots (Fecker et al, 1996) and double antibody sandwich ELISAs using an alkaline-phosphatase fusion protein (Uhde et al, 2000). It has been expressed as a scFv construct (Fecker et al, 1996) in both E. coli and higher plants.

Antibody First Published in: Commandeur et. al. Location, Size, and Complexity of Epitopes on the Coat Protein of Beet Necrotic Yellow Vein Virus Studied by Means of Synthetic Overlapping Peptides Virology. 1994 Jan;198(1):282-7. [PMID:7505070](#)

Note on publication: Discusses the use of antibodies to analyse the different epitopes of the BNYVV coat protein using antibodies which recognise overlapping epitopes.

Product Form

Size: 200 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.