



Fig. 1. Result of Western blot experiments to detect transgene expression from two independent lines for (A) the CP of cucumber mosaic cucumovirus (CMV) in leaf extracts from *Nicotiana tabacum*, (B) the CP of the potyvirus potato virus Y (PVY) in root extracts from *N. tabacum*, (C) the CP of white clover mosaic potexvirus (WCIMV) in leaf extracts of *N. benthamiana*, (D) the CP of WCIMV immunopurified from transgenic *N. benthamiana* using magnetic beads. The arrow in (D) indicates immunoglobulin heavy chain leached from the conjugated magnetic beads during the elution process. The Bio-Rad Mini-Protean II and tank transfer apparatus were used in (A) and (B). The Pharmacia Phast gel system and semidry transfer were used for Western blots (C) and (D). Antibodies were (A) rabbit polyclonal CMV-T from the Waite Institute, Adelaide, (B) monoclonal antibody to the CP of PVYn (12C4; Ingenasa S.A., Madrid, Spain), and (C) rabbit polyclonal to the CP of WCIMV (4).

3. Transfer buffer (10X): Mix the following: 30.2 g Tris-HCl, pH 8.3, 144 g glycine, 10 g (w/v) SDS, 20% (v/v) methanol. Make up to 1 L, which should be pH 8.3 when diluted to 1X.
4. PBS (10X): Mix the following: 10 g KH_2PO_4 , 57.5 g Na_2HPO_4 , 400 g NaCl, 10 g KCl make up to 5 L (should be pH 7.4, without requiring adjustment when diluted to 1X).
5. Western blocking solution: Mix the following: 50 mL of 10X PBS, 5 g BSA (Sigma, Fraction V), 0.1 g sodium azide, 5 mL goat serum (Life Technologies, Gaithersburg, MD); make up to 500 mL with water. Aliquot into 25-mL lots and store until required at -20°C .
6. PBS-T: Mix the following: 500 mL 10X PBS, 25 mL 10% (v/v) Tween-20. Make up to 5 L with water.
7. Antibody dilution buffer: Mix the following: 50 mL 10X PBS, 5 g BSA (Sigma, Fraction V), 2.5 mL 10% (v/v) Tween-20, 0.5 g sodium azide, 50 mL goat serum (Life Technologies). Make up to 500 mL with water. Aliquot into 25-mL lots and store until required at -20°C .
8. Tp3: Mix the following: 100 mL 1M Tris-HCl, pH 9.5, 20 mL 5M NaCl, 50 mL 1M MgCl_2 . Make up to 1 L with water.
9. Nitroblue tetrazolium chloride (NBT) (75 mg/mL in 70% [v/v] dimethylformamide) and 5-bromo-4-chloro-3-indolylphosphate *p*-toluidine salt (BCIP)