

Product Information: DAS-ELISA

Andean potato mottle virus (APMoV)

APMV (2), a comovirus, is widespread in the Andean highlands of South America, where it generally causes mottle on potatoes. The host range is mostly limited to *Solanaceae*. The virus is readily spread within the field by foliage contact.

Specificity and sampling instruction

These reagents were made against an isolate of Andean potato mottle virus (APMoV) from Peru, for application in DAS-ELISA (1,3,4). The suitability and quality of the reagents have been validated at the CIP in Peru under practical field conditions (L. Bertschinger, personal communication). For all potato reagents, we recommend our extraction buffer «General» (Art. No. 110120) for testing leaf samples at a ratio of 1:20 (w/v). For testing sprouted tuber samples (sprouts of potato), a special extraction buffer «Bulbs & Tubers» (Art. No. 110122), containing egg albumin (ovalbumin), is used at a ratio of 1:10 to 1:20 (w/v; 2).

This product has been developed in cooperation with Agroscope, the Swiss centre of excellence for research in the agriculture and food sector.

Information on the antibodies

Coating IgG: polyclonal; conjugate: polyclonal

References

- (1) Clark, M.F., and Adams, A.N. 1977. J. gen. Virol. 34:475-483.
- (2) Fribourg, C.E., Jones, R.A.C., and Koenig, R. 1979. Descriptions of Plant viruses, No. 203. CMI/AAB. 4 pp.
- (3) Gugerli, P. 1986. In H.U. Bergmeyer: Methods of Enz. Analysis. Vol. XI. pp. 430-446.
- (4) Stace-Smith, R. 1981. In E. Kurstak: Handbook of Plant Virus Infections and Comparative Diagnosis, pp. 171-195.

Ordering Information

BIOREBA offers the following formats:

Individual ELISA reagents for 96, 480 or 960 assays: IgG and/or conjugate for the working volume of 200 µl/test/well.

Reagent sets for 480 or 960 assays: IgG and conjugate, positive and negative controls, and microtiter plates (F-96) for a working volume of 200 µl/test/well.

Complete kits for 96, 480 or 960 assays: All reagents, controls, microtiter plates (F-96), buffers, and substrate necessary for a working volume of 200 µl/test/well.

ELISA buffers, equipment for sample preparation and disposables are also available.

For all Art. No. please refer to our product catalogue or our homepage www.bioreba.com and for prices and further information on any other product from BIOREBA, please contact your local distributor or our office in Switzerland.

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Adaptations from last version: new ordering information; minor modifications.