

Product Information: DAS-ELISA

Erysimum latent virus (ErLV)

Synonym: Tymovirus erysimi

Even though about 40 plant species are susceptible to Erysimum latent virus (ErLV, a tymovirus) (2), in many cases, the infection is symptomless, e.g. in the *Brassicaceae* family. On the other hand, infected tall rocket or tumble mustard (*Sisymbrium altissimum* L.) and perennial wallflower (*Erysimum helveticum*), both in the *Brassicaceae*, show symptoms of leaf mosaic and flower deformation. The geographical distribution of ErLV seems to be limited; so far, occurrence has been reported only from Germany and Czech Republic.

Specificity and sampling instruction

The reagents were made against the German virus isolate ELV HS 24 (3) and react specifically with ErLV in DAS-ELISA (1). From the limited number of isolates tested, it can be concluded that they are serologically indistinguishable. Samples are homogenized 1:20 (w/v) in extraction buffer «General» (Art. No. 110120).

The product was developed in cooperation with the Institute of Plant Molecular Biology, Ceske Budejovice, Czech Republic.

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) Shukla, D.D., and Gough, K. 1980. Descriptions of plant viruses. No.222. CMI/AAB. 4pp.
- (3) Spak, J., Honetslegrova, J., Petrzik, K., and Pelikanova, J. 1993. Arch. Phytopath. Pflanz. 28:189-195.

Ordering Information

BIOREBA offers the following formats:

Individual ELISA reagents for 100, 500 or 1000 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: added revised taxonomy of ICTV and assays of individual ELISA reagents.