

## 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](http://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.