

Product information

| | |
|--------------------------|---|
| Antibody name: | anti-rubellin |
| Product number: | R02R-2 |
| Quantity: | 1 ml |
| Clonality/purity: | polyclonal antibodies |
| Host: | rabbit |
| Immunogen: | rubellin conjugated to BSA |
| Applications: | ELISA. Optimal dilutions are dependent on conditions and should be determined by the user. Other applications not tested. |
| Specificity: | reacts with <i>Ramularia collo-cygni</i> |
| Storage buffer: | Phosphate buffered saline, pH 7.2; 0.05% Sodium Azide (NaN ₃) |
| Storage: | Store at +4°C up to one month or in aliquots at -20°C for longer. Avoid repeated freezing and thawing. |
| Description: | Rubellin is a toxic anthraquinone derivative produced by <i>Ramularia collo-cygni</i> , the fungus causing <i>Ramularia</i> leaf spot disease on barley and some other cereals. <i>Ramularia collo-cygni</i> is now recognized as an important pathogen of barley in Northern Europe and New Zealand. The fungus produces a number of anthraquinone toxins (rubellins), which act as host nonspecific toxins with photodynamic activity. These toxins induce lipid peroxidation and are possibly the cause of the chlorosis and necrosis observed in leaves infected with <i>R. collo-cygni</i> . The fact that the fungus can remain latent in barley plants until flowering, coupled with its very slow growth in vitro, makes it difficult to detect in crops. As a result, the epidemiology of this pathogen remains poorly understood. |
| Related products: | The antibodies are available in the form of ELISA-tests and immunosticks for rapid sample preparation. Please, contact us for information on these products. |