

Catalog Number	AS-1523-2ML
Product Name	Rabbit Anti-Grapevine Leafroll-Associated Virus 3 (GLRAV-3) Coat Protein (Fragment). WHOLE SERUM
Temperature	-20°C
Unit	2mL
Category	Infectious Agents
Subcategory	Plant Pathogens (Agriculture)
Description	Polyclonal antibody (serum) obtained by immunizing rabbits with a recombinant coat protein of GLRaV-3.
Isotype	N/A
Mol Weight	N/A
Purity	N/A
Storage	Store at -20°C.
Stability	Stable at least one year at -20°C. Avoid repeated freezing and thawing.
Biological Activity	This polyclonal antibody (serum) reacts with extracts of GLRaV-3-infected plants in TAS-ELISA, (Plate Trapped Antigen)-ELISA, immunocapture-RT-PCR and Western blot (1: 4,000 dilution). GLRaV-3 belongs to the genus Ampelovirus of the family Closteroviridae and its genome is composed by a single-stranded positive-sense RNA with a 35-39 kDa coat protein. GLRaV-3 virions have a flexuous filamentous morphology, it is phloem-limited and transmitted by several species of mealybugs. The leafroll disease is one of the most destructive viral diseases of grapevines worldwide.
Formulation	2 mL of whole serum. Some of the liquid in the vial could have evaporated with changes in the final volume. However, the mass of the protein is still inside the vial.
References	Lanza, M. et. al. (2010) Trop. Plant Pathol. 35, 377-380. Engel, E. et. al. (2008) Virus Genes 37, 110-118. Tsai, C.W. et. al. (2008) Phytopathology 98, 1093-1098. Turturo, C. et. al. (2005) J. Gen. Virol. 86, 217-224.

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