Catalog Number	AM-1502ZA-5
Product Name	Anti-Grapevine Leafroll-Associated Virus 3 (GLRaV-3) IgG Fraction Monoclonal Antibody (clone 5A5/C2)
Temperature	-20°C
Unit	100µg
Category	Infectious Agents
Subcategory	Plant Pathogens (Agriculture)
Description	Mouse monoclonal antibody IgG fraction (clone 5A5/C2) obtained by immunizing mice with a recombinant coat protein of GLRaV-3. The IgG fraction was purified using Protein G-Sepharose.
Isotype	IgG-1
Mol Weight	N/A
Purity	N/A
Storage	Store at -20ºC.
Stability	Stable at least one year at -20ºC. Avoid repeated freezing and thawing.
Biological Activity	This monoclonal antibody reacts with extracts of GLRaV-3-infected plants in ELISA, DAS-ELISA, immunocapture-RT-PCR and Western blot (1: 1,000 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 deseases of grapevines wordlwide.
Formulation	Solution at 1 mg/mL in PBS. 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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