

## AibGenesis™ Mouse Anti-Botrytis Cinerea Hypovirus 1 Monoclonal Antibody (CT4005)

Cat. No.: VRS-0724-YT47

This product is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Overview

|                  |        |
|------------------|--------|
| Clone            | CT4005 |
| Host Species     | Mouse  |
| Antibody Isotype | IgG    |

### Product Properties

|               |                                        |
|---------------|----------------------------------------|
| Purity        | >95%                                   |
| Purification  | Protein A or G affinity chromatography |
| Concentration | Lot specific                           |

### Packaging, Storage & Formulations

|              |                                                                                                                                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------|
| Form         | Liquid, please specify if lyophilized powder is required.                                                                          |
| Formulation  | PBS (pH 7.4) without any preservative, please specify if any additional requirements.                                              |
| Preservative | Preservative-free, please specify if any additional requirements.                                                                  |
| Storage      | Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles. Refer to the COA file for specifics. |

### Applications

|                   |                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | ELISA                                                                                                                                                                                                                                                                                                                                                             |
| Application Notes | The antibody is screened by ELISA using the synthetic peptide that corresponds to a partial sequence of Botrytis Cinerea Hypovirus 1 as the capture antigen. Additional applications have not been validated. It is recommended that the end users validate other applications and determine optimal concentrations/dilution under their experimental conditions. |

Other Product Details

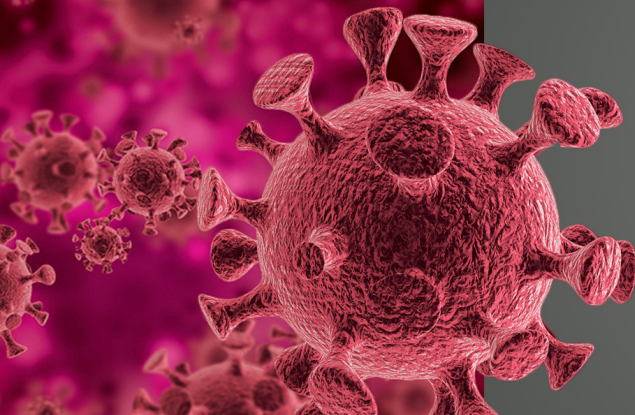
|           |                  |
|-----------|------------------|
| Type      | Primary Antibody |
| Clonality | Monoclonal       |
| ProAb     | Made to order    |

Virus Details

|                      |                               |
|----------------------|-------------------------------|
| Virus Classification | Single-stranded RNA virus     |
| Virus Family         | <i>Hypoviridae</i>            |
| Virus Genus          | <i>Betahypovirus</i>          |
| Species              | <i>Betahypovirus sinensis</i> |
| Accession number     | <a href="#">MG 554632</a> ;   |
| RefSeq number        | <a href="#">N C 037659</a> ;  |
| Virus Abbrev         | BcHV1                         |
| Virus Name           | Botrytis Cinerea Hypovirus 1  |
| Genome Composition   | ssRNA                         |

Target

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Introduction | Botrytis Cinerea Hypovirus 1 (BcHV1) is a double-stranded RNA virus belonging to the Betahypovirus genus in the family Hypoviridae. This virus infects the fungal plant pathogen Botrytis cinerea, which causes gray mold disease in a wide range of plants, including fruits, vegetables, and flowers. BcHV1 is transmitted horizontally through hyphal anastomosis and vertically through conidia. Infected Botrytis cinerea strains typically exhibit reduced virulence, sporulation, and growth rates, making them less damaging to plants. The presence of BcHV1 in Botrytis cinerea has potential as a biological control agent for managing gray mold disease in agriculture. By reducing the virulence of the fungal pathogen, BcHV1 can help protect crops from infection and improve plant health. |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## AibGenesis™

is an advanced AI-driven platform designed to create novel antibody sequences with unprecedented speed and precision. By integrating deep learning, structure prediction, and comprehensive immunological datasets, **AibGenesis™** intelligently designs antibodies optimized for affinity, stability, and developability. The platform generates antibody products that support basic scientific research, drug development, and diagnostic applications.