

## AibGenesis™ Mouse Anti-Blueberry Shoestring Virus Monoclonal Antibody (CT0520)

Cat. No.: VRS-0324-YT520

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

### Product Overview

|                    |                            |
|--------------------|----------------------------|
| Clone              | CT0520                     |
| Host Species       | Mouse                      |
| Antibody Isotype   | IgG                        |
| Species Reactivity | Blueberry Shoestring Virus |

### 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 corresponding to a partial sequence of Blueberry Shoestring Virus as the capture antigen. Additional applications have not been validated. It is recommended that the end users validate other |

er applications and determine optimal concentrations/dilution under their experimental conditions.

## Other Product Details

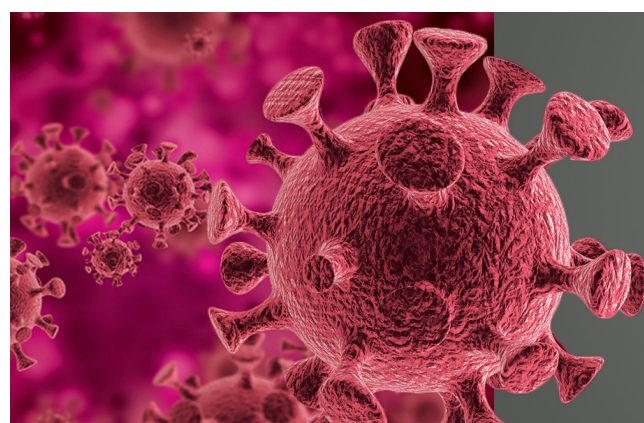
|           |                  |
|-----------|------------------|
| Type      | Primary Antibody |
| Clonality | Monoclonal       |
| ProAb     | Made to order    |

## Virus Details

|                      |                                    |
|----------------------|------------------------------------|
| Virus Classification | Positive-sense single-stranded RNA |
| Virus Family         | <i>Solemoviridae</i>               |
| Virus Genus          | <i>Sobemovirus</i>                 |
| Species              | <i>Blueberry shoestring virus</i>  |
| Accession number     | <a href="#">LC 081344</a>          |
| RefSeq number        | <a href="#">N C 029578</a>         |
| Virus Abbrev         | BSSV                               |
| Virus Name           | Blueberry Shoestring Virus         |
| Genome Composition   | ssRNA(+)                           |

## Target

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Introduction | Blueberry Shoestring virus is a member of the Solemoviridae family, which infects blueberry plants. This virus is known to cause significant damage to blueberry crops by inducing shoestring symptoms on the leaves. Infected plants exhibit elongated, narrow leaves resembling shoe strings, leading to stunted growth and reduced fruit production. The virus is primarily transmitted through vegetative propagation, as well as by aphids and other insect vectors. |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



## 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.