

## AibGenesis™ Mouse Anti-Bahia Grande Virus Matrix Protein Monoclonal Antibody

Cat. No.: VRS-0124-YT2273

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

### Product Overview

|                    |                                                                     |
|--------------------|---------------------------------------------------------------------|
| Target             | Matrix protein                                                      |
| Specificity        | This antibody is specific for Matrix protein of Bahia Grande Virus. |
| Clone              | TJ0287                                                              |
| Host Species       | Mouse                                                               |
| Antibody Isotype   | IgG                                                                 |
| Species Reactivity | Bahia Grande Virus                                                  |

### Product Properties

|           |                                                                        |
|-----------|------------------------------------------------------------------------|
| Immunogen | Synthetic peptide corresponding to partial sequence of Matrix protein. |
| Purity    | >95%                                                                   |

### 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.                     |

### Applications

|                   |                                                                                                                                                                                                                                                           |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application       | ELISA                                                                                                                                                                                                                                                     |
| Application Notes | The antibody is screened by ELISA using the synthetic peptide that corresponds to a partial sequence of Bahia Grande Virus Matrix protein as the capture antigen. Additional applications have not been validated. It is recommended that the end users v |

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

## Other Product Details

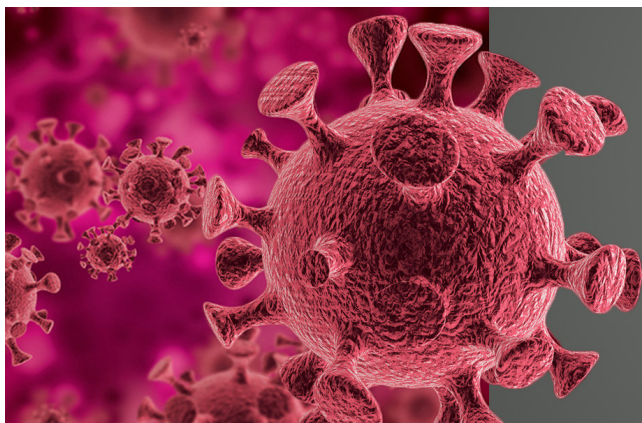
|           |                  |
|-----------|------------------|
| Type      | Primary Antibody |
| Clonality | Monoclonal       |
| ProAb     | Made to order    |

## Virus Details

|                          |                                          |
|--------------------------|------------------------------------------|
| Virus Classification     | Negative-sense single-stranded RNA Virus |
| Virus Family             | <i>Rhabdoviridae</i>                     |
| Virus Subfamily          | <i>Alpharhabdovirinae</i>                |
| Virus Genus              | <i>Barhavirus</i>                        |
| Species                  | <i>Barhavirus bahia</i>                  |
| Accession number         | <a href="#">KM 205018</a>                |
| RefSeq number            | <a href="#">N C_055531</a>               |
| Virus Abbrev             | BGV                                      |
| Virus Name               | Bahia Grande Virus                       |
| Virus Alternatives Names | Bahia Grande Virus; BGV                  |
| Genome Composition       | ssRNA(-)                                 |

## Target

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Introduction             | The name Bahia Grande is proposed for these viruses. Bahia Grande is a body of water between Brownsville, Texas and the Gulf of Mexico and represents the general location of the site of collections of mosquitoes from which 17 of the isolates came. Bahia Grande virus is antigenically related to two other North American viruses, strain 76V-23524, for which the name Muir Springs virus is proposed, and the more distantly related strain TB4-222, for which the name Reed Ranch virus is proposed. |
| Target Alternative Names | Matrix protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt ID               | <a href="#">I3VQ79</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



## 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.