



## AibGenesis™ Mouse Anti-Bacillus Phage Phi105 (Bacteriophage Phi-105) ORF31 Monoclonal Antibody

Cat. No.: VRS-0124-YT27

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

### Product Overview

|                    |                                                                                       |
|--------------------|---------------------------------------------------------------------------------------|
| Target             | ORF31                                                                                 |
| Specificity        | This antibody is specific for ORF31 of Bacillus Phage phi105 (Bacteriophage phi-105). |
| Clone              | TJ1358                                                                                |
| Host Species       | Mouse                                                                                 |
| Antibody Isotype   | IgG                                                                                   |
| Species Reactivity | Bacillus Phage phi105 (Bacteriophage phi-105)                                         |

### Product Properties

|               |                                                               |
|---------------|---------------------------------------------------------------|
| Immunogen     | Synthetic peptide corresponding to partial sequence of ORF31. |
| 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       | WB; ELISA; IHC-P; FC; ICC; IF; IP                                          |
| Application Notes | The optimal concentrations/dilutions should be determined by the end user. |

## Other Product Details

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

## Virus Details

|                          |                                                                                                  |
|--------------------------|--------------------------------------------------------------------------------------------------|
| Virus Classification     | Double-stranded DNA virus                                                                        |
| Virus Genus              | <i>Spizizenvirus</i>                                                                             |
| Species                  | <i>Spizizenvirus sv105</i>                                                                       |
| Accession number         | <a href="#">HM 072038</a>                                                                        |
| RefSeq number            | <a href="#">N C 048631</a>                                                                       |
| Virus Name               | Bacillus Phage phi105 (Bacteriophage phi-105)                                                    |
| Virus Alternatives Names | Spizizenvirus sv105; Bacillus phage; Bacillus phage phi105; Bacteriophage; Bacteriophage phi-105 |
| Genome Composition       | dsDNA                                                                                            |

## Target

|                          |                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Introduction             | A Bacillus phage is a member of a group of bacteriophages known to have bacteria in the genus Bacillus as host species. Bacillus phage phi105 (Bacteriophage phi-105) has been found to belong to family Siphoviridae. |
| Target Alternative Names | ORF31                                                                                                                                                                                                                  |
| UniProt ID               | <a href="#">Q9ZXF2</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.