



## AibGenesis™ Mouse Anti-Bacillus Phage SP01 (Bacteriophage SP01) Gp58 Monoclonal Antibody

Cat. No.: VRS-0124-YT5008

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

### Product Overview

|                    |                                                                                 |
|--------------------|---------------------------------------------------------------------------------|
| Target             | Gp58                                                                            |
| Specificity        | This antibody is specific for Gp58 of Bacillus Phage SP01 (Bacteriophage SP01). |
| Clone              | TJ1674                                                                          |
| Host Species       | Mouse                                                                           |
| Antibody Isotype   | IgG                                                                             |
| Species Reactivity | Bacillus Phage SP01 (Bacteriophage SP01)                                        |

### Product Properties

|           |                                                              |
|-----------|--------------------------------------------------------------|
| Immunogen | Synthetic peptide corresponding to partial sequence of Gp58. |
| 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 Bacillus Phage SP01 Gp58 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     | Double-stranded DNA virus                                                                                    |
| Virus Name               | Bacillus Phage SP01 (Bacteriophage SP01)                                                                     |
| Virus Alternatives Names | Okubovirus SPO1; Bacillus virus SPO1; Bacillus phage; Bacillus phage SP01; Bacteriophage; Bacteriophage SP01 |
| 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 SP01 (Bacteriophage SP01) has been found to belong to family Herelleviridae. |
| Target Alternative Names | 58, SPO1_28                                                                                                                                                                                                         |
| Gene ID                  | <a href="#">7009017</a>                                                                                                                                                                                             |
| UniProt ID               | <a href="#">B6V2W5</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.