

## AibGenesis™ Mouse Anti-Bacillus Phage Izhevsk SpoT-like Bifunctional (P)ppGpp Synthase/hydrolase Monoclonal Antibody

Cat. No.: VRS-0124-YT2023

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

### Product Overview

|                    |                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------|
| Target             | SpoT-like bifunctional (P)ppGpp synthase/hydrolase                                                          |
| Specificity        | This antibody is specific for SpoT-like bifunctional (P)ppGpp synthase/hydrolase of Bacillus Phage Izhevsk. |
| Clone              | TJ1242                                                                                                      |
| Host Species       | Mouse                                                                                                       |
| Antibody Isotype   | IgG                                                                                                         |
| Species Reactivity | Bacillus Phage Izhevsk                                                                                      |

### Product Properties

|           |                                                                                                            |
|-----------|------------------------------------------------------------------------------------------------------------|
| Immunogen | Synthetic peptide corresponding to partial sequence of SpoT-like bifunctional (P)ppGpp synthase/hydrolase. |
| 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 Izhevsk SpoT-like bifunctionalppGpp synthase/hydrolase 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

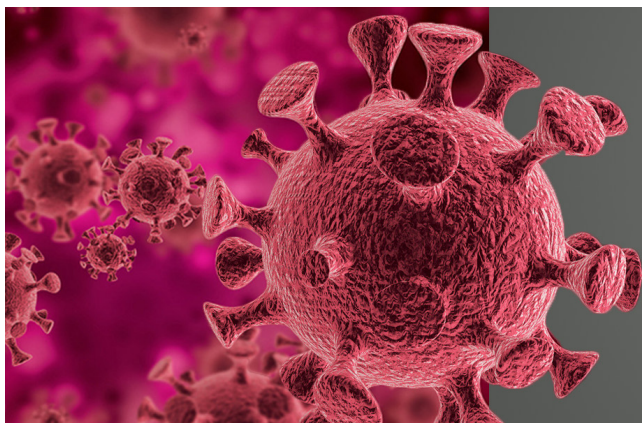
|           |                  |
|-----------|------------------|
| Type      | Primary Antibody |
| Clonality | Monoclonal       |
| ProAb     | Made to order    |

## Virus Details

|                          |                                        |
|--------------------------|----------------------------------------|
| Virus Classification     | Double-stranded DNA virus              |
| Virus Subfamily          | <i>Joanriponvirinae</i>                |
| Virus Genus              | <i>Tsamsavirus</i>                     |
| Species                  | <i>Tsamsavirus izhevsk</i>             |
| Accession number         | <a href="#">MT 254578</a>              |
| Virus Name               | Bacillus Phage Izhevsk                 |
| Virus Alternatives Names | Bacillus phage; Bacillus phage Izhevsk |
| 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 Izhevsk has been found to belong to family Siphoviridae. |
| Target Alternative Names | Izhevsk_95                                                                                                                                                                                      |
| UniProt ID               | <a href="#">A0A6H0 X656</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.