

# Monoclonal Anti-RSV-Pre-F0 specific Antibody, Mouse IgG1 (12C6) (HPLC verified)

Catalog # RS0-Y132



BIOSYSTEMS  
**Acro**

## Source

Monoclonal Anti-RSV-Pre-F0 specific Antibody, Mouse IgG1 (12C6) is a mouse monoclonal antibody derived from hybridoma cells fused with SP2/0 myeloma cells and murine B lymphocytes.

## Antibody Type

Hybridoma Monoclonal

## Clone

12C6

## Isotype

Mouse IgG1, Kappa

## Host Species

Mouse

## Reactivity

Virus

## Immunogen

Recombinant HRSV (A) Fusion glycoprotein F0 derived from human 293 cells

## Specificity

This product is a specific antibody specifically reacts with Prefusion glycoprotein F0/pre-F protein (RSV).

## Purification

Protein A purified / Protein G purified.

## Aggregation

Less than 5%, as determined by SEC-MALS.

## Concentration

Please refer to the Certificate of Analysis (CoA).

## Form

Lyophilized

## Formulation

Lyophilized from a 0.22  $\mu$ m-filtered solution in PBS (pH 7.4), with trehalose as protectant.

Please contact us for customized product forms or formulations.

## Reconstitution

Please refer to the Certificate of Analysis (CoA) for specific instructions.

## Shipping

Lyophilized product is shipped at ambient temperature.

## Storage

For long term storage, the product should be stored in a lyophilized state at -20°C or lower.

### Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70 °C for 3 months after reconstitution;

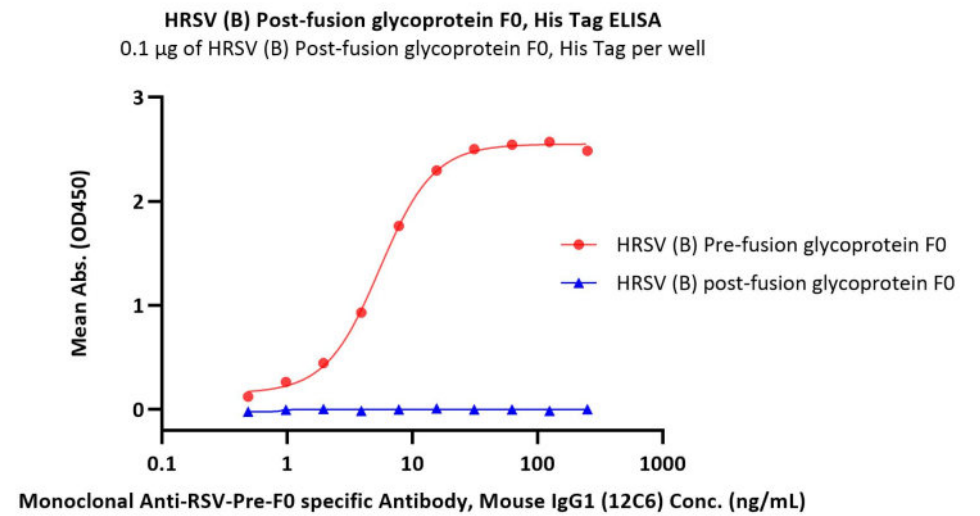
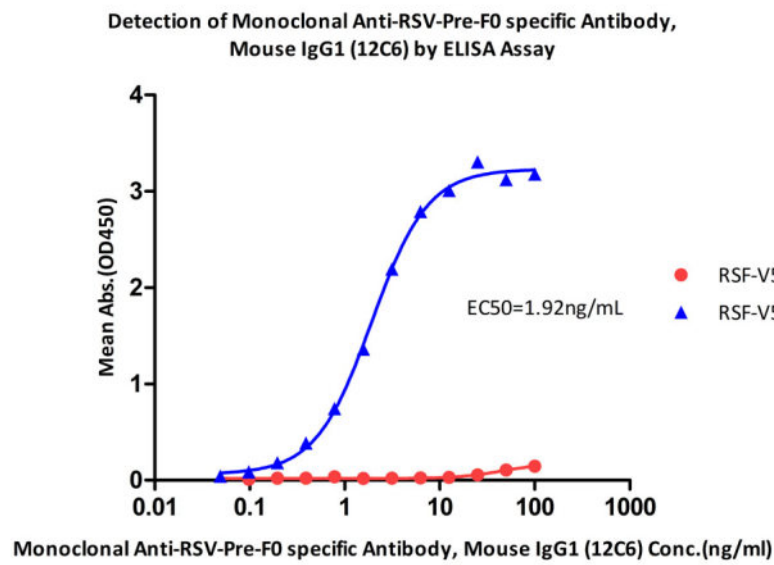
## Notices

Product Specific Notices: For research use only.

## ACRO Quality Management System

- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## Bioactivity-ELISA



Immobilized HRSV (A) Pre-fusion glycoprotein F0, His Tag (MALS verified) (Cat. No. RSF-V52H7) at 2 µg/mL (100 µL/well) can bind Monoclonal Anti-RSV-Pre-F0 specific Antibody, Mouse IgG1 (12C6) (Cat. No. RS0-Y132) with a linear range of 0.098-3.125 ng/mL (QC tested). The antibody does not bind HRSV (A) Post-fusion glycoprotein F0, His Tag (MALS verified) (Cat. No. RSF-V52H6) (Routinely tested).

Immobilized HRSV (B) Pre-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H8) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-RSV-Pre-F0 specific Antibody, Mouse IgG1 (12C6) (Cat. No. RS0-Y132) with a linear range of 0.5-8 ng/mL. HRSV (B) Post-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H9) is verified not recognized by Monoclonal Anti-RSV-Pre-F0 specific Antibody, Mouse IgG1 (12C6) (Cat. No. RS0-Y132) (Routinely tested).

## Background

Human respiratory syncytial virus (HRSV) is the most common etiological agent of acute lower respiratory tract disease in infants and can cause repeated infections throughout life. The RSV fusion glycoprotein (RSV F) is the principal target of RSV neutralizing antibodies in human sera. The RSV F is a type I viral fusion protein synthesized as inactive, single-chain polypeptides that assemble into trimers. RSV F fuses the viral and host cell membranes by irreversible protein refolding from the labile prefusion conformation to the stable post-fusion conformation.

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