



Source

Monoclonal Anti-RSV-Pre-F0 specific Antibody, Mouse IgG1 (12C6) is a Mouse monoclonal antibody produced from a hybridoma created by fusing SP2/0 myeloma and Mouse B-lymphocytes.

Clone

12C6

Species

Mouse

Isotype

Mouse IgG1 | Mouse Kappa

Conjugate

Unconjugated

Antibody Type

Hybridoma Monoclonal

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).

Application

Application	Recommended Usage
ELISA	0.2-100 ng/mL

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-HPLC.

Purification

Protein A purified / Protein G purified

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at 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;

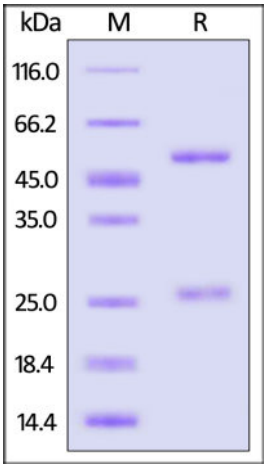
SDS-PAGE

SEC-HPLC

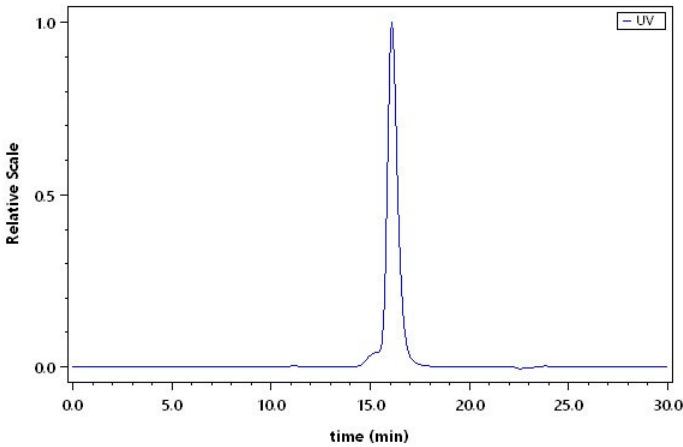


Monoclonal Anti-RSV-Pre-F0 specific Antibody, Mouse IgG1 (12C6) (HPLC verified)

Catalog # RS0-Y132

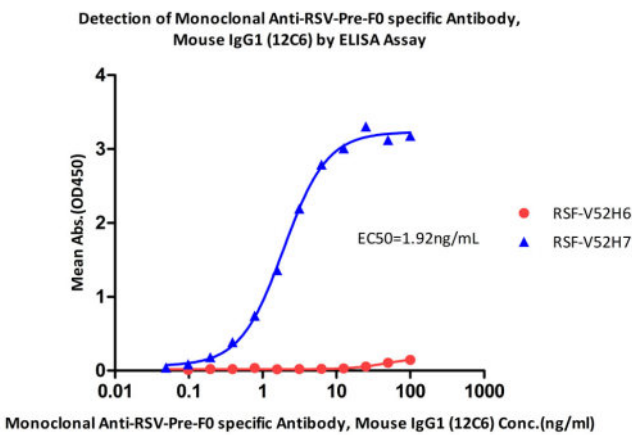


Monoclonal Anti-RSV-Pre-F0 specific Antibody, Mouse IgG1 (12C6) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

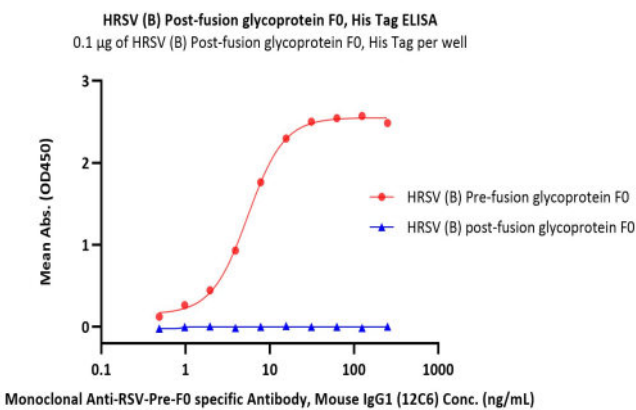


The purity of Monoclonal Anti-RSV-Pre-F0 specific Antibody, Mouse IgG1 (12C6)(Cat. No. RS0-Y132) was greater than 90% as determined by SEC-HPLC.

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.

