

Monoclonal Anti-RSV-Pre-F0 specific Antibody, Human IgG1 (12C6) (MALS verified)

Catalog # RS0-S286



BIOSYSTEMS
ACRO

Surprise Inside!

Source

Monoclonal Anti-RSV-Pre-F0 specific Antibody, Human IgG1 (12C6) is a chimeric monoclonal antibody recombinantly expressed from CHO, which combines the variable region of a mouse monoclonal antibody with Human constant domain.

Clone

12C6

Species

Mouse

Isotype

Human IgG1 | Human Kappa

Conjugate

Unconjugated

Antibody Type

Recombinant 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	0.2-625 ng/mL

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.

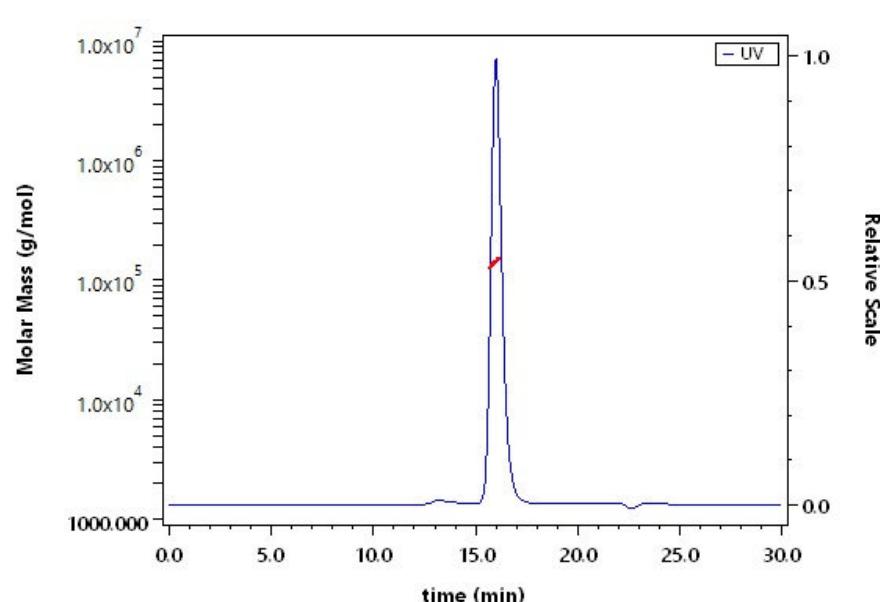
This product is stable after storage at:

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

ACRO Quality Management System

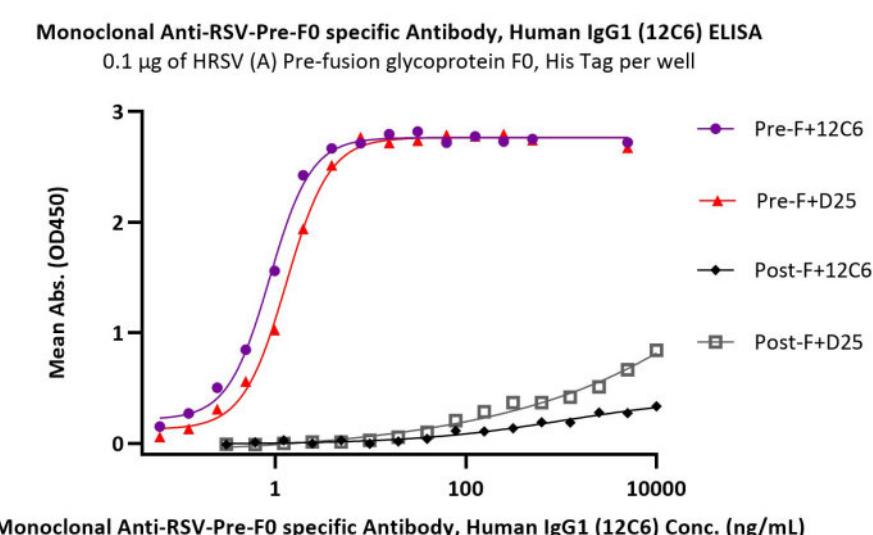
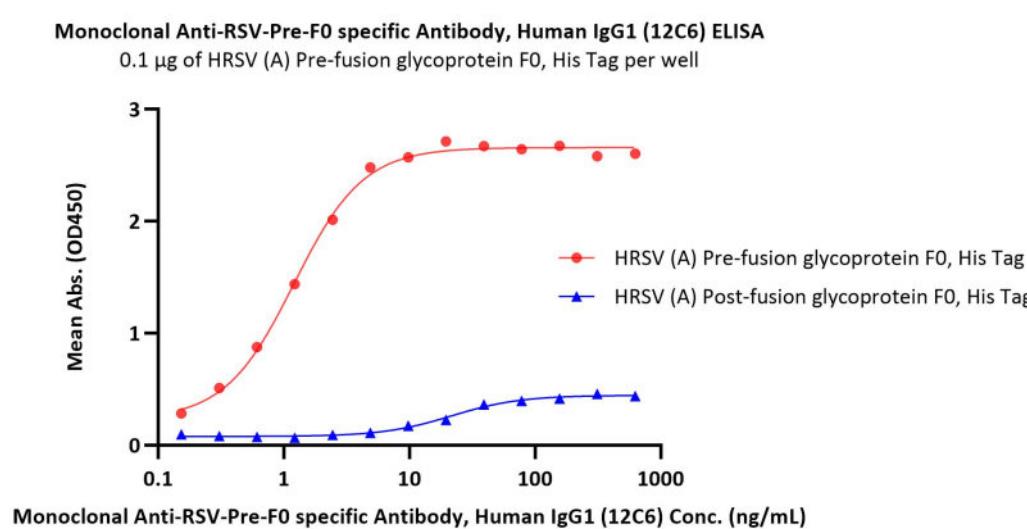
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SEC-MALS



The purity of Monoclonal Anti-RSV-Pre-F0 specific Antibody, Human IgG1 (12C6) (Cat. No. RS0-S286) is more than 95% and the molecular weight of this protein is around 135-165 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized HRSV (A) Pre-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H7) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-RSV-Pre-F0 specific V52H7) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-RSV-Pre-F0 specific Antibody, Human IgG1 (12C6) (Cat. No. RS0-S286) with a linear range of 0.2-2 ng/mL. HRSV (A) Post-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H6) is verified not recognized by Monoclonal Anti-RSV-Pre-F0 specific Antibody, Human IgG1 (12C6) (Cat. No. RS0-S286) in low concentration (QC tested).

Immobilized HRSV (A) Pre-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H7) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-RSV-Pre-F0 specific Antibody, Human IgG1 (12C6) (Cat. No. RS0-S286), Anti-Fusion glycoprotein F0 (Cat. No. RSF-V52H6) is verified not recognized by Monoclonal Anti-RSV-Pre-F0 specific Antibody, Human IgG1 (12C6) (Cat. No. RS0-S286)/Anti-Fusion glycoprotein F0 Antibody, Human IgG1 (D25) in low concentration (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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