

Monoclonal Anti-Fusion glycoprotein F0 Antibody, Mouse IgG2a (101F)

Catalog # RSF-M309a



Source

Monoclonal Anti-Fusion glycoprotein F0 Antibody, Mouse IgG2a (101F) is a recombinant mouse monoclonal antibody expressed in HEK293 cells.

Antibody Type

Recombinant Monoclonal

Clone

101F

Isotype

Mouse IgG2a, Kappa

Host Species

Mouse

Specificity

This product is a specific antibody specifically reacts with RSV-F0.

Application

Application	Recommended Usage
ELISA	0.2-2 µg/mL

Cross Verification

This product can cross in Western Blot with
HRSV (A) Post-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H6).
HRSV (A) Pre-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H7).
HRSV (B) Post-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H9).
HRSV (B) Pre-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H8).

Purification

Protein A purified / Protein G purified.

Concentration

Please refer to the Certificate of Analysis (CoA).

Form

Lyophilized

Formulation

Lyophilized from a 0.22 µm-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 under sterile conditions after reconstitution.

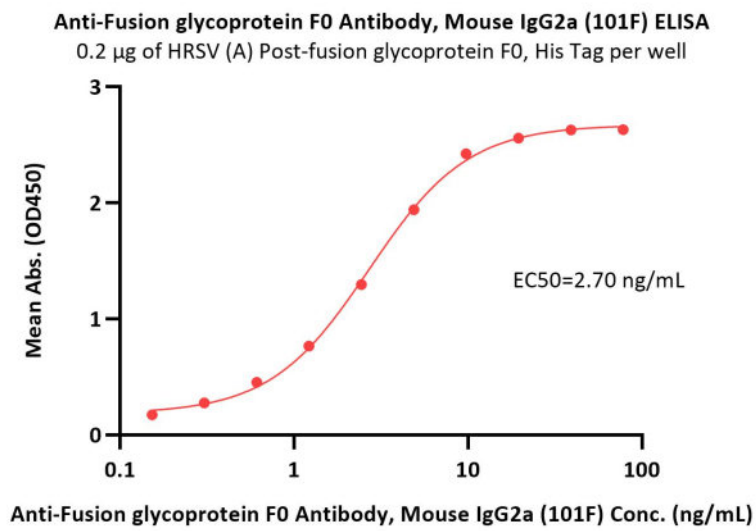
Notices

Product Specific Notices: For research use only.

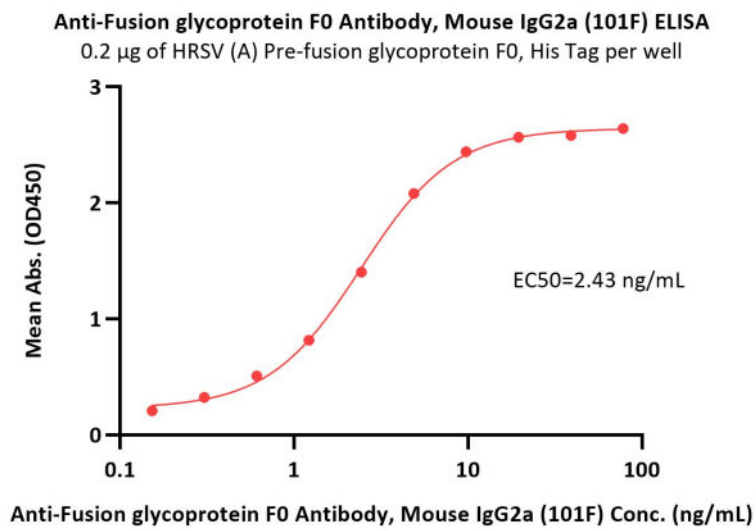
ACRO Quality Management System

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

Bioactivity-ELISA



Immobilized HRSV (A) Post-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H6) at 2 µg/mL (100 µL/well) can bind Anti-Fusion glycoprotein F0 Antibody, Mouse IgG2a (101F) (Cat. No. RSF-M309a) with a linear range of 0.2-10 ng/mL (QC tested).



Immobilized HRSV (A) Pre-fusion glycoprotein F0, His Tag (Cat. No. RSF-V52H7) at 2 µg/mL (100 µL/well) can bind Anti-Fusion glycoprotein F0 Antibody, Mouse IgG2a (101F) (Cat. No. RSF-M309a) with a linear range of 0.2-10 ng/mL (QC 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. Antibody 101F, target epitopes that have been mapped to linear regions in the F1 subunit, referred to as antigenic site IV.



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