

# Monoclonal Anti-HRSV Glycoprotein (RSV-G) Antibody, Human IgG1 (8G9) (MALS verified)

Catalog # RSV-MY2232



BIOSYSTEMS  
**Acro**

Surprise Inside!

## Source

Monoclonal Anti-HRSV Glycoprotein (RSV-G) Antibody, Human IgG1 (8G9) is a chimeric monoclonal antibody recombinantly expressed in HEK293, which combines the variable region of a mouse monoclonal antibody with human constant domain.

## Antibody Type

Recombinant Monoclonal

## Clone

8G9

## Isotype

Human IgG1, Kappa

## Host Species

Mouse

## Reactivity

Virus

## Immunogen

Recombinant HRSV (A) Glycoprotein G Protein is expressed from human 293 cells

## Specificity

Specific recognition of HRSV (A) Glycoprotein G Protein.

## Cross Verification

This product No cross-reactivity in ELISA with HRSV (B) Glycoprotein G Protein, His Tag (Cat. No. GLG-V5144).

## Purification

Protein A purified / Protein G purified.

## Aggregation

Less than 10%, 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 under sterile conditions after reconstitution.

## Notices

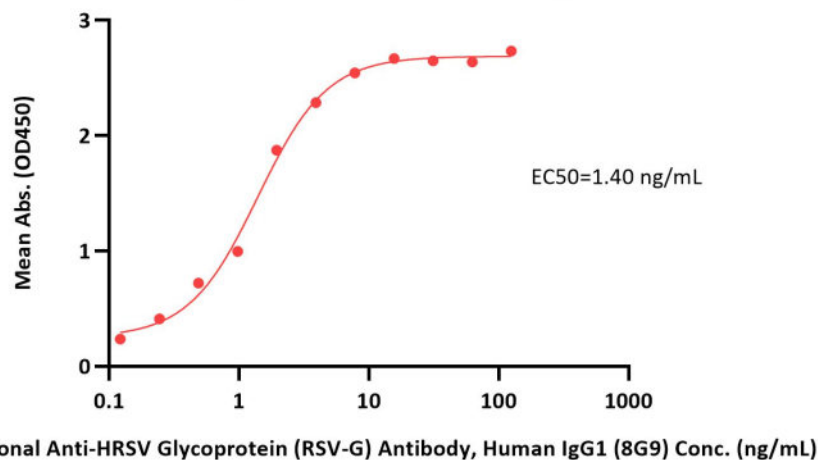
Product Specific Notices: For research use only.

## ACRO Quality Management System

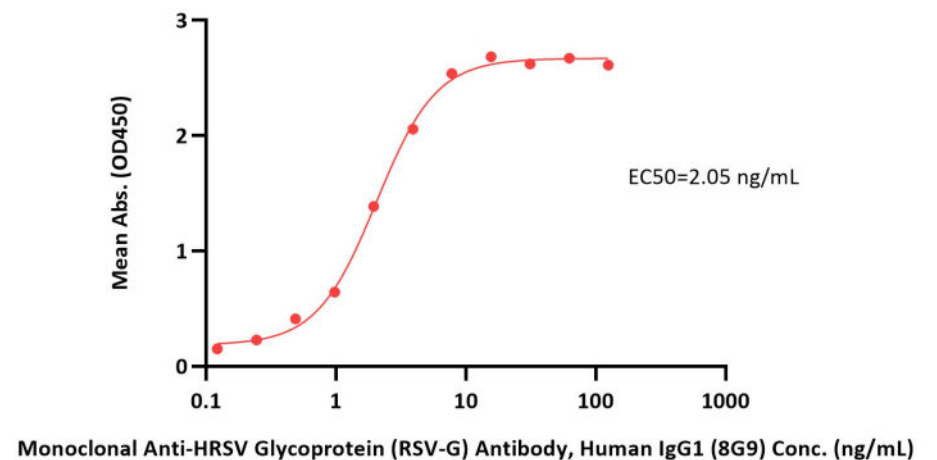
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## Bioactivity-ELISA

Monoclonal Anti-HRSV Glycoprotein (RSV-G) Antibody, Human IgG1 (8G9) ELISA  
0.1 µg of HRSV (A) Glycoprotein G Protein, His Tag per well



Monoclonal Anti-HRSV Glycoprotein (RSV-G) Antibody, Human IgG1 (8G9) ELISA  
0.1 µg of HRSV (A) Glycoprotein G Protein, His Tag per well



Immobilized HRSV (A) Glycoprotein G Protein, His Tag (Cat. No. RSG-V5221) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-HRSV Glycoprotein (RSV-G) Antibody, Human IgG1 (8G9) (Cat. No. RSV-MY2232) with a linear range of 0.1-4 ng/mL (QC tested).

Immobilized HRSV (A) Glycoprotein G Protein, His Tag (Cat. No. GLG-V5143) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-HRSV Glycoprotein (RSV-G) Antibody, Human IgG1 (8G9) (Cat. No. RSV-MY2232) with a linear range of 0.1-4 ng/mL (Routinely tested).

## Background

The two major glycoproteins on the surface of the RSV virion, the attachment glycoprotein (G) and the fusion (F) glycoprotein, control the initial phases of infection. The central region of the G protein contains a 13-amino acid highly conserved domain, partially overlapping the cysteine noose domain with 4 cysteines linked 1-4 and 2-3, followed by a highly basic heparin-binding domain (HBD). The HBD is the likely attachment site for heparan sulfate (HS) found on the surface of most cells. A peptide from the G protein HBD (amino acids 184-198) binds efficiently to HEp-2 cells and inhibits RSV infection.

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