

Source

Monoclonal Anti-RSV-F0 broadly Antibody, Mouse IgG1 (3B4) antibody is produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse immunized with RSV-F0.

Isotype

Mouse IgG1 | Kappa

Specificity

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

Application

ELISA

Purity

>95% as determined by SDS-PAGE.

Endotoxin

Less than 1.0 EU per mg by the LAL method.

Formulation

Lyophilized from 0.22 μ m 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

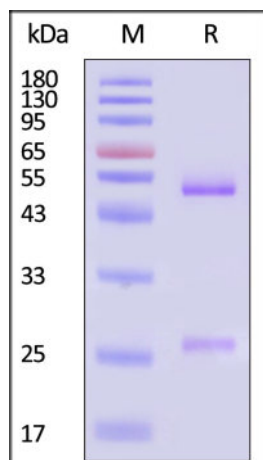
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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;

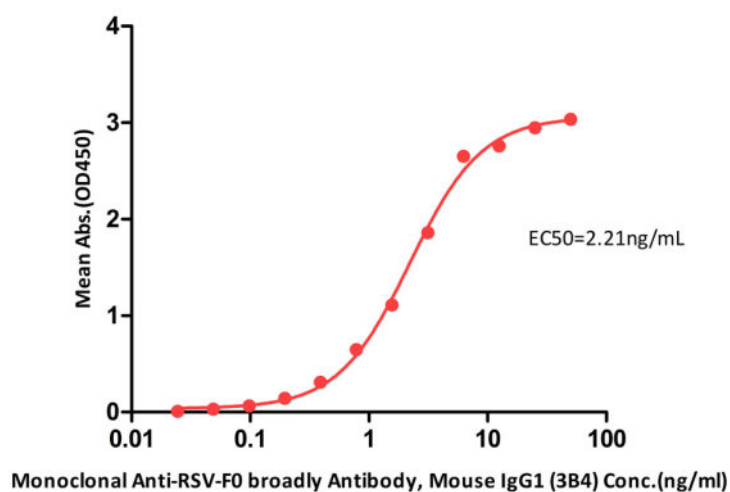
SDS-PAGE



Monoclonal Anti-RSV-F0 broadly Antibody, Mouse IgG1 (3B4) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

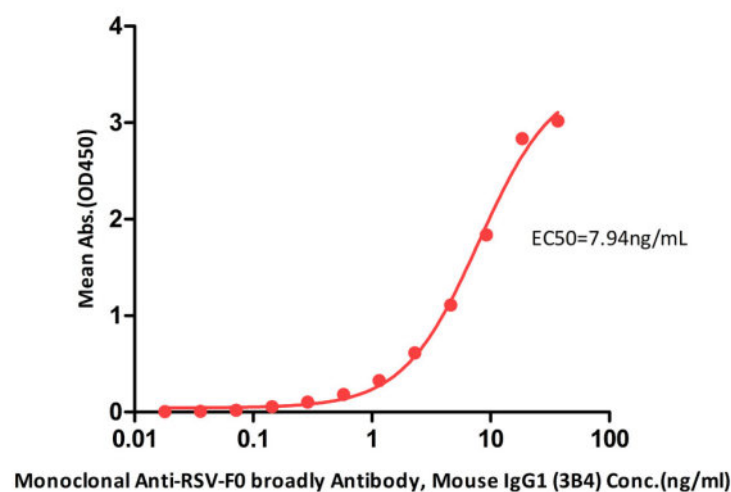
Bioactivity-Elisa

Monoclonal Anti-RSV-F0 broadly Antibody, Mouse IgG1 (3B4) ELISA
0.2 μg of HRSV (A) Pre-fusion glycoprotein F0, His Tag (MALS verified) per well



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-F0 broadly Antibody, Mouse IgG1 (3B4) (Cat. No. RS0-Y161) with a linear range of 0.098-3.125 ng/mL (QC tested).

Monoclonal Anti-RSV-F0 broadly Antibody, Mouse IgG1 (3B4) ELISA
0.2 μg of HRSV (A) Post-fusion glycoprotein F0, His Tag (MALS verified) per well



Immobilized HRSV (A) Post-fusion glycoprotein F0, His Tag (MALS verified) (Cat. No. RSF-V52H6) at 2 μg/mL (100 μL/well) can bind Monoclonal Anti-RSV-F0 broadly Antibody, Mouse IgG1 (3B4) (Cat. No. RS0-Y161) with a linear range of 0.144-9.197 ng/mL (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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.