



Catalog Number: RA19074
Product Type: Protein G Purified Antibody

Host: Rabbit
Species Reactivity: Human

Immunogen Sequence: Whole RSV virions (subgroup A-Long strain) were used as an immunogen. Detects G, F, N and M2 proteins of RSV

Format: Liquid. PBS containing 0.02% sodium azide. Concentration :1mg/ml.

Applications: Western blot: 1:500-1:1,000.

Dilutions listed as a recommendation. Optimal dilution should be determined by investigator.

Storage: Maintain at +2-8°C for 3 months or at -20°C for longer periods. Stable for 1 year. *Avoid repeated freeze-thaw cycles.*

References: Domachowske JB, Rosenberg HF. Respiratory syncytial virus infection: immune response, immunopathogenesis, and treatment. Clin Microbiol Rev. 1999 Apr;12(2):298-309.

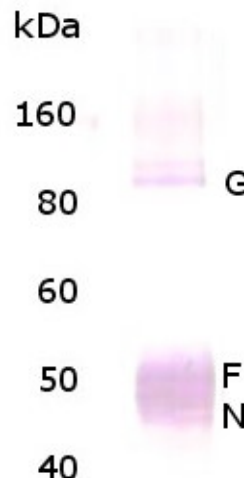
Garofalo RP, Haeberle H. Epithelial regulation of innate immunity to respiratory syncytial virus. Am J Respir Cell Mol Biol. 2000 Nov;23(5):581-5.

Application Notes

Description/Data:

RSV is a negative sense RNA paramyxovirus in which the major virus neutralization antigens are the glycoprotein (G) and the fusion (F) protein that mediate attachment and fusion to the host cell during virus infection, respectively. Other RSV proteins include the nucleocapsid protein (N) and the M2 protein. The two major subgroups of RSV are A and B with the A strain being more virulent and responsible for the majority of severe RSV infections. Respiratory syncytial virus (RSV) infection is responsible for a large proportion of viral respiratory infections, and significant morbidity is associated with RSV infections. To date, few RSV vaccine candidates have shown promise with no human vaccine yet been proven safe and efficacious.

Image: Western blot analysis of Respiratory Syncytial Virus. 3 ug of RSV virions (subgroup A-Long strain) were loaded on SDS-PAGE, transferred to a PVDF membrane and detected with rabbit anti-RSV (Long strain) Polyclonal Antibody at a 1:1,000 dilution. Goat anti-rabbit secondary antibody was used at 1:10,000 dilution. The antibody detects the following RSV proteins: Glycoprotein (G) ~90 kDa, Fusion (F) protein ~55 kDa, and nucleocapsid (N) protein ~46 kDa. Overexposure of the blot can result in detection of M2 protein (~22 kDa-not shown).



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