

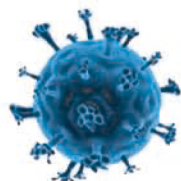


Sino Biological
Biological Solution Specialist

RSV Research Tools

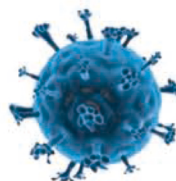
Protein / Antibody / Gene / ELISA Kit / Cell lysate

Research reagents



- 100 kinds of products
- 8 types of RSV strains
- RSV-F, RSV-G

Specialty product



- unique recombinant protein of RSV antigen
- RSV-F



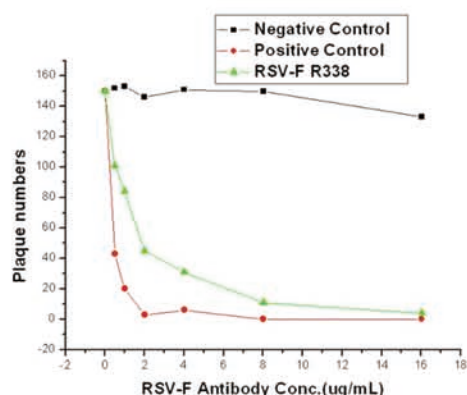
Recombinant protein & Antibody

Product covering subtype A & subtype B

| subtype | strain |
|-----------|------------------------|
| subtype A | strain rsb1734 |
| subtype A | strain A2 |
| subtype A | strain B1 |
| subtype A | strain RSS-2 |
| Subtype A | strain A/WI/629-9-2/07 |
| Subtype A | strain A2001/2-20 |
| Subtype A | strain Long |
| Subtype B | strain NH1276 |

Neutralizing antibodies

11049-R338 : Effective microneutralization activity



RSV A-A2 strain pseudovirus infection in Vero cells was inhibited by F protein antibody .
The IC50 of antibody is 0.6-2.3 µg/mL

Hot recombinant protein of RSV-G & RSV-F

| Cat No | molecule | tag | strain |
|-------------|----------|---------|---------------------------|
| 11049-V08B | RSV-F | His tag | subtype A, strain A2 |
| 11070-V08B2 | RSV-G | His tag | subtype A, strain rsb1734 |
| 11070-V08H | RSV-G | His tag | subtype A, strain rsb1734 |
| 11070-V08H2 | RSV-G | His tag | subtype A, strain rsb1734 |
| 13029-V08H | RSV-G | His tag | subtype A, strain B1 |
| 40037-V08B | RSV-F | His tag | subtype A, strain RSS-2 |

Anti RSV-F, RSV-G antibody

| Catalog | Molecule | Application | Host | ab_type | ig_type |
|------------|----------|-------------|--------|---------|------------|
| 11049-R009 | RSV-F | WB, ELISA | Rabbit | MAb | Rabbit IgG |
| 11049-T16 | RSV-F | ELISA | Rabbit | PAb | Rabbit IgG |
| 11070-MM15 | RSV-G | WB, ELISA | Mouse | MAb | Mouse IgG1 |
| 11070-RP01 | RSV-G | WB, ELISA | Rabbit | PAb | Rabbit IgG |
| 11070-RP02 | RSV-G | ELISA | Rabbit | PAb | Rabbit IgG |

ELISA pair set

SEK11049: High stability

Capture antibody: rabbit anti-RSV-F monoclonal antibody

Detection antibody: rabbit anti-RSV-F monoclonal antibody

Gene

Sequence verified

Expression validated

Multiple tags

How much do you know about RSV?

Human respiratory syncytial virus (RSV) is an enveloped, negative-polarity, single-stranded RNA virus from the Paramyxoviridae family that cause respiratory tract infections. RSV is the single most important respiratory pathogen in infancy and early childhood. Almost two-thirds of infants are infected with RSV during the first year of life, and nearly 100% have been infected by age 2. In addition to young children, RSV infection causes severe lower respiratory diseases in the elderly, and nursing homes in particular can have quite extensive epidemics each year. In elderly people, at least 10% of winter hospital admissions are caused by RSV, and the case-fatality rate is about 10%.

Two RSV viral glycoproteins, RSV-F and RSV-G, are involved in viral-host cell attachment and cell fusion.

- **RSV-G:** a heavily glycosylated and considered to be important to attachment of the virus to the cell surface. Its heterogeneity defines the two subtypes of RSV(A & B). RSV-G can mimic cellular cytokines and a shed form of this protein aids the virus in eluding neutralizing antibodies produced by the infected host.
- **RSV-F:** mediate fusion of the virus to the cell as in the formation of syncytia. It is homologous to both subtypes of RSV.

Viral Research Tool Center

- Most Research Reagents of Viruses
- Strong R&D and Manufacture Capability
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- Quality Guarantee
- Broad Application Prospects
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- Price Affordable
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