

Human Respiratory Syncytial Virus (Rsv) Fusion Glycoprotein, Rsv-F ELISA Kit | Rsv-F elisa kit

Human Respiratory Syncytial Virus (Rsv) Fusion Glycoprotein, Rsv-F Primacu ELISA Kit

CATALOG #
AAA124120

REACTIVITY
Human

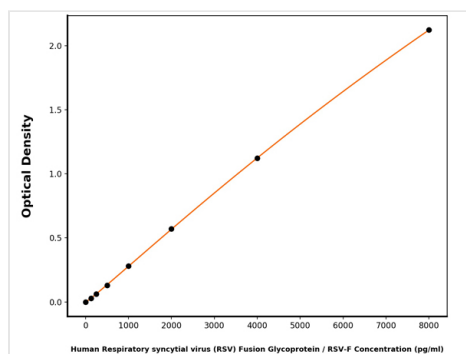
PRODUCT SYNONYMS

Respiratory Syncytial Virus (Rsv) Fusion Glycoprotein; Rsv-F; Human Respiratory Syncytial Virus (Rsv) Fusion Glycoprotein; Rsv-F Primacu ELISA Kit; Human respiratory syncytial virus (RSV) Fusion Glycoprotein/RSV-F; RSV-F; Rsv-F elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Verified by recombinant protein. Natural samples need to be validated by the end user.
Detection Range	125-8000pg/mL
Sensitivity	46.3pg/mL
Standard Solution	80ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for Rsv-F elisa kit	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. It is classified within the genus pneumovirus of the family paramyxoviridae. Like other members of the family, HRSV has two major surface glycoproteins (G and F) that play important roles in the initial stages of the infectious cycle. The G protein mediates attachment of the virus to cell surface receptors, while the F protein promotes fusion of the viral and cellular membranes, allowing entry of the virus ribonucleoprotein into the cell cytoplasm. The fusion (F) protein of RSV is synthesized as a nonfusogenic precursor protein (F), which during its migration to the cell surface is activated by cleavage into the disulfide-linked F1 and F2 subunits. This fusion is pH independent and occurs directly at the outer cell membrane, and the F2 subunit was identified as the major determinant of RSV host cell specificity. The trimer of F1-F2 interacts with glycoprotein G at the virion surface. Upon binding of G to heparan sulfate, the hydrophobic fusion peptide is unmasked and induces the fusion between host cell and virion membranes. Notably, RSV fusion protein is unique in that it is able to interact directly with heparan sulfate and therefore is sufficient for virus infection. Furthermore, the fusion protein is also able to trigger p53-dependent apoptosis.
Product Categories/Family for Rsv-F elisa kit	Primacu ELISA Kit; Microbiology

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/respiratory-syncytial-virus-rsv-fusion-glycoprotein-rsv-f/124120>