

Prefusion glycoprotein F/RSV-preF ELISA Kit | RSV-F elisa kit

Human respiratory syncytial virus (RSV)(A2) Prefusion glycoprotein F/RSV-preF ELISA Kit

CATALOG #
AAA259535

REACTIVITY
RSV

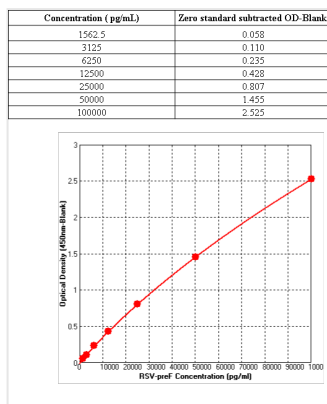
PRODUCT SYNONYMS

Prefusion glycoprotein F/RSV-preF; Human respiratory syncytial virus (RSV)(A2) Prefusion glycoprotein F/RSV-preF ELISA Kit; RSV-F elisa kit

PRODUCT SPECIFICATIONS

Reactivity	RSV
Specificity	This assay recognizes recombinant Human respiratory syncytial virus (RSV)(A2) Prefusion glycoprotein F/RSV-preF.
Assay Type	Solid Phase Sandwich ELISA (quantitative)
Detection Range	1562.5-100000pg/ml
Sensitivity	202.4pg/mL
Notes	The kit has been verified by high purity Human respiratory syncytial virus (RSV)(A2) Prefusion glycoprotein F/RSV-preF Protein .
Preparation and Storage	Unopened Kit: Store at 2-8 degree C Opened/Reconstituted Reagents: Please refer to CoA This ELISA Kit is shipped at ambient temperature.

IMAGES



Application Data

This standard curve is only for demonstration purposes. A standard curve should be generated for each assay.

ADDITIONAL INFORMATION

Related Product Information for RSV-F elisa kit	This Human respiratory syncytial virus (RSV)(A2) Prefusion glycoprotein F/RSV-preF ELISA Kit is an enzyme-linked immunosorbent assay for the quantitative measurement of RSV RSV Fusion protein in Recombinant protein. It contains recombinant RSV RSV Fusion, and antibodies raised against the recombinant protein. This ELISA kit is complete and ready-to-use. 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.
References	Martin-Gallard. A. e. al.. 1993. . Ge. Virol. 7. (3). 453-8. Jos. . M. e. al.. 1997. . Ge. Virol. 78. 2411-8. Feldma. SA. e. al.. 1999. . Virol. 7. (8). 6610-7. Zlatev. K.T. e. al.. 2004. . Virol. 7. (9). 4675-83. Trent. A. e. al.. 2006. . Virol. 8. (2). 975-84. Braniga. . J. e. al.. 2006. . Ge. Virol. 8. (2). 395-8. Eckardt-Miche. J. e. al.. 2008. J. Virol. 82. 3236-49.

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/rsv-f-rsv-elisa-kits/prefusion-glycoprotein-f-rsv-pref/259535>