



Respiratory Syncytial Virus fusion protein (RSV3216): sc-58000

BACKGROUND

Respiratory Syncytial Virus (RSV) is a major cause of respiratory illness in children who have not received the vaccine or treatment. Respiratory Syncytial Virus is a negative sense, enveloped RNA virus. The virion has an average diameter between 120 and 300 nm. The fusion protein of the RSS-2 strain (subtype A) directs fusion of viral and cellular membranes, results in viral penetration and can form syncytia or multinucleated giant cells. The matrix protein plays a role in viral assembly and has been observed to traffic into and out of the nucleus at specific times during the respiratory infectious cycle. The matrix protein has also been shown to be able to inhibit transcription, which may be a key to respiratory pathogenesis.

REFERENCES

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SOURCE

Respiratory Syncytial Virus fusion protein (RSV3216) is a mouse monoclonal antibody raised against Respiratory Syncytial Virus strains 127, SNK and 9007 of bovine origin and Respiratory Syncytial Virus strains A2, Long, Randall and 8/60 of human origin.

PRODUCT

Each vial contains 100 µg IgG_{2b} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Respiratory Syncytial Virus fusion protein (RSV3216) is recommended for detection of Respiratory Syncytial Virus fusion protein (46 kDa and 22 kDa s-s linked glycoprotein) of Respiratory Syncytial Virus origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.