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Product datasheet for BP1054

Respiratory Syncytial Virus / RSV (Type A and B) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	**ELISA.** **Neutralizing.** **Immunohistochemistry.** **Immunofluorescence microscopy** (Ethanol-fixation is not recommended). **Conjugation purposes.**
Reactivity:	Respiratory Syncytial Virus
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Viral lysate of Human RSV isolate
Specificity:	The antibody recognizes all RSV viral antigens including RSV-A and RSV-B. Reacts well with bovine isolates. Does not react with Para 1-3, Influenza A & B or Adenovirus by IFA. No cross reactivity with HEp-2 cells and WI-38 cells.
Formulation:	0.01 M PBS, pH 7.2 without stabilizing proteins State: Ig Fraction State: Liquid purified Ig fraction (> 95% pure) Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Sodium Sulfate Precipitation and DEAE Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.

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Background:

Respiratory syncytial virus (RSV) is a major cause of respiratory illness in young children. RSV infection produces a variety of signs and symptoms involving different areas of the respiratory tract, from the nose to the lungs. RSV is a negative sense, enveloped RNA virus. The virion is variable in shape and size with average diameter of between 120 and 300 nm. The 63 kD RSV fusion protein of the RSS 2 strain (subtype A) directs fusion of viral and cellular membranes, results in viral penetration, and can direct fusion of infected cells with adjoining cells, resulting in the formation of syncytia or multi nucleated giant cells.