Datasheet: 7950-0104

Description:	GOAT ANTI RESPIRATORY SYNCYTIAL VIRUS:Biotin
Specificity:	RESPIRATORY SYNCYTIAL VIRUS
Other names:	RSV
Format:	Biotin
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA	▪			
Functional Assays	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Viral
Product Form	Purified IgG conjugated to Biotin - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN_3)
Approx. Protein Concentrations	IgG concentration 5.0 mg/ml
Immunogen	Human RSV isolate.
RRID	AB_619848

Specificity

Goat anti respiratory syncitial virus polyclonal antibody recognizes respiratory syncytial virus (RSV) a negative-sense, single-stranded RNA virus and member of the *Paramyxoviridae* family. RSV causes respiratory tract infections in patients of all ages, but particularly affects infants and the immunosuppressed.

RSV encodes three envelope glycoproteins, a small hydrophobic (SH) protein of unknown function, a glycoprotein (G) known as the attachment protein, and a fusion (F) protein. The F protein directs fusion of viral and cellular membranes, resulting in viral penetration, and can lead to the formation of syncytia.

The F protein is thought to be the principal antigen responsible for inducing an immune response.

Goat anti respiratory syncitial virus does not react with Parainfluenza 1-3, Influenza A and B, Adenovirus or uninfected HEp-2 or WI-38 cells. Goat anti respiratory syncitial virus polyclonal antibody is neutralizing and reacts well with bovine isolates.

References

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14. Xu, R. *et al*. (2024) Inhaled Delivery of Killed Bacillus Subtilis Spores Protects Against Acute Viral Infections Caused by Influenza, RSV and SARS-CoV-2. SSRN 8 Feb [Epub ahead of print].

Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C. Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/7950-0104 10040
Regulatory	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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