RayBiotech, Inc.
3607 Parkway Lane suite 200
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Certificate of Analysis and DataSheet

Goat anti RSV: FITC

Catalog No.	**Species**	**Isotype**:
MD-05-0388	Virus	N/A

Description:
Goat Antibody to Respiratory Syncytial Virus (RSV). Fluorescein isothiocyanate (FITC) conjugated.

Specificity:
All RSV viral antigens. Reacts well with bovine isolates. Does not react with Para 1-3, Influenza A & B or Adenovirus by IFA. Negative against HEp-2 cells and WI-38 cells.

Host Animal:
Goat

Immunogen:
Human RSV isolate, confirmed

Format:
FITC, Liquid

Purification:
IgG fraction covalently coupled with highly purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.

Concentration:
4-5 mg/ml (OD280nm, $E^{0.1\%} = 1.4$)

Affinity Constant:
Not applicable

Buffer:
0.01 M PBS, pH 7.2 containing 10 mg/ml BSA

Preservative:
0.1% Sodium azide

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Applications:

Suitable for use in ELISA, direct IFA and immunohistochemistry (paraffin). Ethanol-fixation is not recommended. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage:

Short-term (up to 6 months) store at 2-8°C under subdued light. Long term, aliquot and store at –20°C. Avoid multiple freeze/thaw cycles.

References:

- Bitko, V., et al., (2007), "Nonstructural Proteins of Respiratory Syncytial Virus Suppress Premature Apoptosis by an NF-κB-Dependent, Interferon-Independent Mechanism and Facilitate Virus Growth", Journal of Virology, 81(4): 1786-1795
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- Ramaswamy, M., et al., (2004), "Specific Inhibition of Type I Interferon Signal Transduction by Respiratory Syncytial Virus", Am. J. Respir. Cell Mol. Biol., 30: 893-900
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- Monick, MM., et al., (2005), "Activation of the Epidermal Growth Factor Receptor by Respiratory Syncytial Virus Results in Increased Inflammation and Delayed Apoptosis", The Journal of Biological Chemistry", 280(3): 2147-2158