

## Anti-RSV 1201 SPTN-10

### Product overview

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<b>Catalog number</b>	100198
<b>Specificity</b>	Antibody recognizes respiratory syncytial virus, strains A & B, major antigenic site on fusion protein
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	18 months from manufacturing at 2–8 °C
<b>Subclass</b>	IgG <sub>2a</sub>
<b>Analyte description</b>	RSV causes respiratory tract infections. It is the major cause of lower respiratory tract infection and hospital visits during infancy and childhood. In temperate climates there is an annual epidemic during the winter months. In tropical climates, infection is most common during the rainy season.

### Parameters tested on each lot

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<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	10.0 mg/ml (+/- 10 %)
<b>Immunoreactivity</b>	80–120 % compared to the reference sample in an FIA test
<b>IEF Profile</b>	6.6–7.4
<b>Purity</b>	≥ 95 %

### Kinetic parameters

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<b>Association rate constant</b>	Not Determined (N/D)
<b>Dissociation rate constant</b>	N/D
<b>Affinity constant</b>	N/D
<b>Determination method</b>	Affinity cannot be measured due to the lack of pure antigen
<b>Determination antigen</b>	-

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**Cross-reactivities** Does not recognize common respiratory infections causing microbes

**Epitope** N/D

<b>Pair recommendations</b>	CAPTURE ANTIBODY	DETECTION ANTIBODY
	1201	1201

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

**Platforms tested** FIA

**Antigens tested** N/D

<b>Product stability</b>	TEMPERATURE, TIME	RESULT
	-70 °C, 21 days	OK
	-20 °C, 21 days	OK
	+4 °C, 21 days	OK
	+35 °C, 21 days	OK
	+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

**Miscellaneous** -

**References** Waris, M., Ziegler, T., Kivivirta, M. and Ruuskanen, O., (1990) Rapid detection of respiratory syncytial virus and influenza A virus in cell cultures by immunoperoxidase staining with monoclonal antibodies. J.Clin.Microbiol., 28:1159-1162



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