

## Antibody Datasheet

<b>Product Name:</b>	Mouse anti Respiratory Syncytial virus
<b>Clone number:</b>	RV4
<b>Isotype:</b>	Mouse IgG <sub>1</sub>
<b>Product code:</b>	MAB12148-100
<b>Batch Number:</b>	
<b>Amount:</b>	0.1mg
<b>Concentration:</b>	1 mg/ml
<b>Buffer:</b>	PBS pH7.2
<b>Preservative:</b>	<0.1% Sodium Azide (NaN <sub>3</sub> )
<b>Purification:</b>	The antibody was purified by affinity chromatography on protein A
<b>Specificity:</b>	This antibody is specific for respiratory syncytial virus. The antibody does not cross react with Influenza Type A, Influenza Type B or Adenovirus.
<b>Applications:</b>	ELISA



**Antigen background:** Respiratory syncytial virus (RSV) is an enveloped, negative-sense, single-stranded RNA virus. It belongs to the genus *Pneumovirus* and is a member of the *Paramyxoviridae* family of viruses. Human RSV is a widespread virus that causes more than 30 million new cases of RSV infection each year. Two major antigenic groups of human respiratory syncytial virus have been identified, which are classified as subtypes A and B. Additional antigenic variability existing within each subtype. Both A and B subtypes co-circulate but reports suggest that one subtype dominates during an epidemic ([Sullender, WM](#)).

RSV primarily causes lower respiratory tract infection in infants and young children. In many cases, the virus causes a mild respiratory illness, but pneumonia and bronchiolitis can develop in children under 2 years of age and in elderly patients. In addition, children with pre-existing heart, lung and neuromuscular diseases can also be at risk of developing severe RSV infection resulting in hospitalisation. In older patients, severe RSV infection may exacerbate pre-existing conditions such as asthma and chronic obstructive pulmonary disease ([CDC](#)).

**References:** Sullender, WM (2000). Respiratory syncytial virus genetic and antigenic diversity. Clin Microbiol Rev. 13(1):1-15.

Centers for disease control: Respiratory syncytial virus infection (RSV)

**Storage:** Short term storage at 2-8°C  
Longer term storage at -20°C  
The Antibody is shipped at ambient temperature.  
Avoid repeated freeze/thaw cycles.

