

# Bioassayplus Inc.

4510 Rhodes Drive, Windsor, Canada N8W 5K5

## Product Specification Sheet

**Important note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Product name:** Paired monoclonal antibodies to respiratory syncytial virus fusion protein

**Catalog #:** Mab-RSV-conjugate  
Mab-RSV-capture

**Description:** Human respiratory syncytial virus (RSV) is a syncytial virus, a major cause of low respiratory tract infection and hospital visits during infancy and childhood. In the United States, 60% of infants are infected with the virus by 2–3 years of age, 2–3% of infected cases will develop bronchiolitis, necessitating hospitalization. protective immunity of infection with RSV wanes over time, possibly with multiple infections. Severe RSV infections have increasingly been found among elderly patients. Young adults can be re-infected every five to seven years, with symptoms looking like a sinus infection or a cold.

RSV is a negative-sense, single-stranded RNA virus of the family *Paramyxoviridae*, F proteins on the viral surface causes cell membranes to merge on nearby cells, forming syncytia. The paired monoclonal antibodies specifically target to the fusion protein on viral surface. Monoclonal antibodies 0651 and 0631 are identified as the paired antibodies to viral fusion protein used for testing RSV antigen for lateral flow assay device. 0631 is identified as conjugate and 0651 as coating, but the customer can decide how to pair the antibodies based on their expertise or experimental result.

**Source:** mouse

**Subclass:** Both IgG2a

**Format:** Purified, Liquid

**Purification:** purified by protein A affinity column to 95%

**Concentration:** Clone 0631 (Conjugate, lot CA986) 5.0 mg/ml  
Clone 0651 (Capture, lot CA999) 5.2mg/ml

**Buffer:** Phosphate buffered saline pH 7.4

**Applications:** Lateral flow rapid test

**Storage:** 4°C for a short time, -20°C for a long term storage