Antibody to **Respiratory syncytial virus**

Cat. No. **VP-R151**

**Product Specifications**

**Description:**
Respiratory syncytial virus mouse monoclonal antibodies

**Immunoglobulin class:**
- 5H5N - IgG1
- 2G122 - IgG1
- 5A6 - IgG2a
- 1C3 - IgG2a

**Clone:**
5H5N, 2G122, 5A6 and 1C3

**Immunogen:**
Respiratory syncytial virus strain A2.

**Epitope:**
Not determined.

**Presentation:**
Lyophilized tissue culture supernatant containing 15mM sodium azide. Reconstitute with 1ml of distilled water.

**Storage Conditions:**
Keep unopened vial at 2 - 8 °C for 1 year. Once opened it is recommended that reconstituted stock solution be aliquoted and quick frozen and stored at -20 °C. Do not repeatedly freeze/thaw.

**Applications:**

**Immunohistochemistry**
- Paraffin sections: Antigen unmasking recommended.
- Frozen sections: Yes
- Working Dilution*: 1:200 - 1:400 for 1 hr at 25°C
- Positive Control: Formalin-fixed, paraffin-embedded RSV infected lung.

**Indirect immunofluorescence**
- Working Dilution*: 1:10
  
  See attached for protocol. Read using immersion oil eg Cargille type FF (Product No. 12612).
- Positive Control: Acetone-fixed HeLa cells infected with RSV-A2. Staining pattern - RSV-infected epithelial cell membranes and cytoplasm.

**Western blotting:**
Not recommended.

* Recommended dilutions using VECTASTAIN® Elite® ABC Kits.

**Functional Aspects:**
Respiratory syncytial virus (RSV) is the most significant respiratory pathogen of early development and causes about half of all cases of bronchiolitis and a quarter of all cases of pneumonia during the first few months of life. There are multiple types and subtypes of RSV. VP-R151 is a mixture of four antibodies to optimize sensitivity and detection of the various RSV forms. It does not cross-react with tissue culture isolates of influenza virus types A and B, parainfluenza virus types 1, 2, 3 and 4b, adenovirus, herpes simplex virus types 1 and 2, varicella-zoster virus, cytomegalovirus, mumps virus, measles virus, ECHOvirus 19, coxsackie B4 virus, poliovirus types 1, 2 and 3 or negative tissue culture cells used in routine virus isolation.

**Selected References**

VP-R151 is recommended FOR PROFESSIONAL AND RESEARCH USE ONLY.