Overview

Product name: Anti-Respiratory Syncytial Virus antibody [2F7] ab43812
Description: Mouse monoclonal [2F7] to Respiratory Syncytial Virus
Host species: Mouse
Tested applications: Suitable for: WB, IHC-Fr, ICC/IF, ELISA
Species reactivity: Respiratory Syncytial Virus (RSV) strains (Paramyxovirus 1, 2 & 3). No cross-reactivity with other respiratory viruses.
Immunogen: Recombinant FP

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: Constituents: 0.75% Glycine, 1.21% Tris, 2% Sucrose
Purity: Protein A purified
Clonality: Monoclonal
Clone number: 2F7
Isotype: IgG1
Light chain type: kappa

Applications

Our Abpromise guarantee covers the use of ab43812 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>IHC-Fr</td>
<td>1/100 - 1/500.</td>
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</table>
Respiratory syncytial virus (RSV) is a major cause of respiratory illness in young children. RSV infection produces a variety of signs and symptoms involving different areas of the respiratory tract, from the nose to the lungs. RSV is a negative sense, enveloped RNA virus. The virion is variable in shape and size with average diameter of between 120 and 300 nm. The 63 kD RSV fusion protein of the RSS 2 strain (subtype A) directs fusion of viral and cellular membranes, results in viral penetration, and can direct fusion of infected cells with adjoining cells, resulting in the formation of syncytia or multi nucleated giant cells.

**Cellular localization**

Virion. Host cytoplasm

### Images

Immunofluorescent staining of Respiratory Syncytial Virus F protein Bound to HeLa cells using ab43812. Respiratory Syncytial Virus F protein was visualized in green and Respiratory Syncytial N protein in red.

**Immunocytochemistry/ Immunofluorescence - Anti-Respiratory Syncytial Virus antibody [2F7] (ab43812)**


**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### Application

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<tr>
<td>ICC/IF</td>
<td>1/100 - 1/500.</td>
<td>Immunocytology on infected cells.</td>
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<tr>
<td>ELISA</td>
<td>1/2000 - 1/1000.</td>
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### Target

#### Relevance

Respiratory syncytial virus (RSV) is a major cause of respiratory illness in young children. RSV infection produces a variety of signs and symptoms involving different areas of the respiratory tract, from the nose to the lungs. RSV is a negative sense, enveloped RNA virus. The virion is variable in shape and size with average diameter of between 120 and 300 nm. The 63 kD RSV fusion protein of the RSS 2 strain (subtype A) directs fusion of viral and cellular membranes, results in viral penetration, and can direct fusion of infected cells with adjoining cells, resulting in the formation of syncytia or multi nucleated giant cells.

#### Cellular localization

Virion. Host cytoplasm

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