Overview

Product name: Anti-Respiratory Syncytial Virus G Glycoprotein antibody [RSV133] ab94966
Description: Mouse monoclonal [RSV133] to Respiratory Syncytial Virus G Glycoprotein
Host species: Mouse
Tested applications: Suitable for: ELISA, WB, ICC/IF, IHC-Fr
Species reactivity: Reacts with: Other species
Immunogen: Human Respiratory Syncytial Virus strain A2 infected HeLa cells
General notes: Fusion partner: PS-NS/1-Ag4

ab94966 is useful for the identification and location of expression of the G glycoprotein of Human Respiratory Syncytial Virus (HRSV) of both sub-groups A and B. This antibody confers passive protection against HRSV of both subgroups in an animal model of hRSV infection.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer: Constituent: PBS
Purity: Protein A purified
Primary antibody notes: ab94966 is useful for the identification and location of expression of the G glycoprotein of Human Respiratory Syncytial Virus (HRSV) of both sub-groups A and B. This antibody confers passive protection against HRSV of both subgroups in an animal model of hRSV infection.
Clonality: Monoclonal
Clone number: RSV133
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab94966 in the following tested applications.
Relevance
Respiratory Syncytial Virus (RSV) G Glycoprotein attaches the virion to the host cell membrane by interacting with heparan sulfate, initiating the infection. It interacts with host CX3CR1, the receptor for the CX3C chemokine fractalkine, to modulate the immune response and facilitate infection.
Unlike the other paramyxovirus attachment proteins, it lacks both neuraminidase and hemagglutinating activities.

Cellular localization
Virion membrane. Host cell surface

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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<tbody>
<tr>
<td>ELISA</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>WB</td>
<td>Use at an assay dependent concentration. Predicted molecular weight: 33 kDa.</td>
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<tr>
<td>ICC/IF</td>
<td>Use at an assay dependent concentration.</td>
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<tr>
<td>IHC-Fr</td>
<td>Use at an assay dependent concentration. Fix with Acetone.</td>
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Target

Relevance
Respiratory Syncytial Virus (RSV) G Glycoprotein attaches the virion to the host cell membrane by interacting with heparan sulfate, initiating the infection. It interacts with host CX3CR1, the receptor for the CX3C chemokine fractalkine, to modulate the immune response and facilitate infection.
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Cellular localization
Virion membrane. Host cell surface

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