abcam

Product datasheet

Anti-Respiratory Syncytial Virus G Glycoprotein antibody [RSV133] ab94966

5 References

Overview

Product name	Anti-Respiratory Syncytial Virus G Glycoprotein antibody [RSV133]
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. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

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

The Abpromise guarantee Our Abpromise guarantee covers the use of ab94966 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 33 kDa.
ICC/IF		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration. Fix with Acetone.

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. Unlike the other paramyxovirus attachment proteins, it lacks both neuraminidase and hemagglutinating activities.

Cellular localization Virion membrane. Host cell surface

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