

Anti-Respiratory Syncytial Virus Fusion (F) Glycoprotein antibody [RSV5A6] ab94968

7 References

概述

产品名称	Anti-Respiratory Syncytial Virus Fusion (F) Glycoprotein抗体[RSV5A6]
描述	小鼠单克隆抗体[RSV5A6] to Respiratory Syncytial Virus Fusion (F) Glycoprotein
宿主	Mouse
经测试应用	适用于: ELISA, WB, ICC/IF, IHC-P, IHC-Fr
种属反应性	与反应: Respiratory syncytial virus
免疫原	Tissue, cells or virus corresponding to Respiratory Syncytial Virus Fusion (F) Glycoprotein. hRSV strain A2 infected HeLa cells
常规说明	Fusion partner: PS-NS/1-Ag4
	<p>ab94968 is useful for the identification and location of expression of the fusion glycoprotein of Human Respiratory Syncytial Virus of both sub-groups A and B.</p> <p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
纯度	Protein A purified
Primary antibody说明	ab94968 is useful for the identification and location of expression of the fusion glycoprotein of Human Respiratory Syncytial Virus of both sub-groups A and B.

克隆	单克隆
克隆编号	RSV5A6
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab94968于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 63 kDa.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration. Fix with Acetone.

靶标

相关性	<p>Respiratory Syncytial Virus (RSV) Fusion (F) Glycoprotein is a Class I viral fusion protein. Under the current model, the protein has at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the heptad repeat (HR) regions assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of viral and target cell membranes. Directs fusion of viral and cellular membranes leading to delivery of the nucleocapsid into the cytoplasm. This fusion is pH independent and occurs directly at the outer cell membrane. The trimer of F1-F2 (protein F) interacts with glycoprotein G at the virion surface. Upon binding of G to heparan sulfate, the hydrophobic fusion peptide is unmasked and interacts with the cellular membrane, inducing the fusion between host cell and virion membranes. Notably, RSV fusion protein is able to interact directly with heparan sulfate and therefore actively participates in virus attachment. Furthermore, the F2 subunit was identified as the major determinant of RSV host cell specificity. Later in infection, proteins F expressed at the plasma membrane of infected cells mediate fusion with adjacent cells to form syncytia, a cytopathic effect that could lead to tissue necrosis. The fusion protein is also able to trigger p53-dependent apoptosis.</p>
细胞定位	<p>Virion membrane; Single-pass type I membrane protein. Host cell membrane; Single-pass membrane protein.</p>

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