

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

## 7 References

### 製品の概要

製品名	Anti-Respiratory Syncytial Virus Fusion (F) Glycoprotein antibody [RSV5A6]
製品の詳細	Mouse monoclonal [RSV5A6] to Respiratory Syncytial Virus Fusion (F) Glycoprotein
由来種	Mouse
アプリケーション	<b>適用あり:</b> ELISA, WB, ICC/IF, IHC-P, IHC-Fr
種交差性	<b>交差種:</b> Respiratory syncytial virus
免疫原	Tissue, cells or virus corresponding to Respiratory Syncytial Virus Fusion (F) Glycoprotein. hRSV strain A2 infected HeLa cells
特記事項	<p>Fusion partner: PS-NS/1-Ag4</p> <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&amp;As</p>

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	<p>Preservative: 0.02% Sodium azide</p> <p>Constituent: 99.98% PBS</p>
精製度	Protein A purified
一次抗体 備考	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.

ポリ/モノ	モノクローナル
クローン名	RSV5A6
アイソタイプ	IgG2a

## アプリケーション

**The Abpromise guarantee**      **Abpromise保証は、**次のテスト済みアプリケーションにおけるab94968の使用に適用されます  
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
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.

## ターゲット情報

**関連性**

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.

**細胞内局在**

Virion membrane; Single-pass type I membrane protein. Host cell membrane; Single-pass membrane protein.

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