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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-F protein [3B1] Ab03524-23.0-BT

This chimeric rabbit antibody was made using the variable domain sequences of the original Human Fab format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 3B1

Alternative Name(s) of Target: fusion glycoprotein; Fusion glycoprotein F0

UniProt Accession Number of Target Protein: P03420

Published Application(s): SPR, ELISA

Published Species Reactivity: RSV

Immunogen: A synthetic, fully human antibody library was used for panning against RSV prefusion and post fusion F proteins. The original antibody against RSV F protein was discovered following phage library panning and characterized.

Specificity: The original antibody is specific for post fusion RSV F protein (amino acids D385, F387 and N388). F-protein plays a pivotal role in the pathogenesis of RSV by mediating the fusion between the viral and the host cell membrane. F protein exists in two distinct conformations: the metastable prefusion conformation and the stable post fusion conformation.

Application Notes: The specificity of the Fab and IgG1 format of the antibody was confirmed by ELISA analysis (EC50 value for IgG1 format at 3.6 ng/mL). The binding affinity of the Fab fragment to post fusion form of F was measured by surface plasmon resonance (Kd= 68 nM).

Antibody First Published in: Chen et al. Discovery and Characterization of Phage Display-Derived Human Monoclonal Antibodies against RSV F Glycoprotein PLoS One. 2016; 11(6): e0156798.

[PMID:27258388](#)

Note on publication: The paper describes the generation and characterization of the antibody.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.