



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-F protein [3B1] Ab03524-10.29-BS

This is a Fab fragment with His tag.

**Isotype and Format:** Human Fab fragment, His-Tagged, 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:** Purified by Immobilized Metal Affinity Chromatography

**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:** See vial label

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.