



# 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-S protein [Fab58] Standard Size Ab03625-10.29

This is a Fab fragment with His tag.

**Isotype and Format:** Human Fab fragment, His-Tagged, Kappa

**Clone Number:** Fab58

**Alternative Name(s) of Target:** Spike glycoprotein, Spike protein; S protein; SARS-CoV S protein; S glycoprotein; E2; Peplomer protein

**UniProt Accession Number of Target Protein:** P59594

**Published Application(s):** neutralization, WB, ELISA, IF

**Published Species Reactivity:** SARS-CoV

**Immunogen:** A naive antibody library was constructed from convalescent SARS patient lymphocyte using phage display technology. The original antibody was then isolated by panning the library on purified SARS virions.

**Specificity:** The antibody is specific for the SARS-CoV spike protein.

**Application Notes:** The specificity of this antibody (Fab) was confirmed in ELISA analysis. The antibody detected the SARS-CoV S protein by western blot analysis. The clone was converted into human IgG1 and its neutralizing activity was determined. Both Fab and IgG1 antibodies showed significant neutralizing activities in cytopathic effect (CPE) inhibition neutralization test, the antibodies were able to completely neutralize the SARS virus and protect the Vero cells from CPE after virus infection (Liang et al, 2005; PMID:16544518).

**Antibody First Published in:** Liang et al. SARS patients-derived human recombinant antibodies to S and M proteins efficiently neutralize SARS-coronavirus infectivity. Biomed Environ Sci. 2005 Dec;18(6):363-74.

[PMID:16544518](#)

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

### Product Form

**Size:** 100 µg Purified antibody.

**Purification:** Purified by Immobilized Metal Affinity Chromatography

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.