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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-S protein [Fab58] Ab03625-23.0-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: 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: 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.