

Anti-SARS-CoV S glycoprotein [Lsc18] Standard Size Ab01993-1.7

This antibody is in our proprietary AbFab2™ recombinant F(ab2) format - based on Mouse IgG1 sequence with a short dimerization domain to improve stability and a his tag.

This chimeric mouse antibody was made using the variable domain sequences of the original Human IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse F(ab)2, AbFab2™ His-Tagged, Kappa

Clone Number: Lsc18

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

UniProt Accession Number of Target Protein: P59594

Published Application(s): WB, ELISA, IF

Published Species Reactivity: SARS Coronavirus

Immunogen: The original antibody was generated by immunizing chicken with recombinant spike proteins.

Specificity: This antibody binds the amino acid residues 750–1000 of the spike protein.

Application Notes: The binding of this antibody with the SARS-CoV infected Vero cells was confirmed with ELISA. Epitope mapping to identify the specific binding site of S protein was determined using Western blotting. Specific binding of the single-chain variable fragment (scFv) antibodies to SARS-CoV-infected Vero E6 cells was also confirmed by immunocytochemical staining (Y.C Lee et al., 2007).

Antibody First Published in: Lee et al. Chicken single-chain variable fragments against the SARS-CoV spike protein. J Virol Methods. (2007); 146(1): 104–111. [PMID:17643500](#)

Note on publication: Describes the use of chicken scFv phage display system for generation of high affinity antibodies against SARS-CoV spike protein.

Product Form

Size: 200 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.