SARS-CoV-2 (2019-nCoV) Spike S2 Monoclonal Antibody | anti-SARS-CoV-2 antibody

SARS-CoV-2 (2019-nCoV) Spike S2 Antibody, Chimeric MAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA257787	**Chimeric Mouse/Human**	**SARS-CoV-2**	**Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, ELISA**

PRODUCT SYNONYMS

SARS-CoV-2 (2019-nCoV) Spike S2; Monoclonal Antibody; SARS-CoV-2 (2019-nCoV) Spike S2 Antibody; Chimeric MAb; anti-SARS-CoV-2 antibody

PRODUCT SPECIFICATIONS

Host	Chimeric Mouse/Human
Reactivity	SARS-CoV-2
Clonality	Monoclonal
Isotype	Mouse (variable region)/Human (kappa/IgG1 constant) chimeric antibody
Clone Number	D001
Specificity	SARS-CoV-2 (2019-nCoV) Spike S2 Protein
Purity/Purification	Protein A
Form/Format	Liquid. 0.2um filtered solution in PBS
Applicable Applications for anti-SARS-CoV-2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	Recombinant SARS-CoV-2/2019-nCoV Spike S2 ECD Protein
Conjugation	Unconjugated
Preparation	It is a chimeric monoclonal antibody combining the constant domains of the human IgG1 molecule with mouse variable regions. The variable region was obtained from a mouse immunized with purified, recombinant SARS-CoV-2 Spike S2 ECD Protein. The antibody was produced using recombinant antibody technology.
Cross-reactivity	Has cross-reactivity in ELISA with SARS-CoV-2 Spike S1+S2 ECD Protein SARS-CoV Spike S1+S2 ECD Protein MERS-CoV Spike S1+S2 ECD Protein No cross-reactivity in ELISA with MERS-CoV Spike Spike S2 SARS-CoV-2 (2019-nCoV) Spike S1 SARS-CoV-2 (2019-nCoV) Spike RBD HCoV-OC43-Spike S1+S2 Protein HCoV-229E-Spike S1+S2 Protein HCoV-HKU1 (isolate N5)Spike S1+S2 Protein HCoV-NL63-Spike S1+S2 Protein
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of SARS-COV-2 Spike overexpressed HEK293 Cells were stained with purified anti-SARS-CoV-2 Spike Chimera Mab,then a FITC-conjugated second step antibody.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of SARS-COV-2 Spike overexpressed HEK293 Cells were stained with purified anti-SARS-COV-2 Spike Chimeric MAb, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.

ADDITIONAL INFORMATION

References	Shen S, et al. (2007) Expression, glycosylation, and modification of the spike (S) glycoprotein of SARS CoV. Methods Mol Biol. 379: 127-35.Du L, et al. (2009) The spike protein of SARS-CoV--a target for vaccine and therapeutic development. Nat Rev Microbiol. 7 (3): 226-36.Xiao X, et al. (2004) The SARS-CoV S glycoprotein. Cell Mol Life Sci. 61 (19-20): 2428-30.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/sars-cov-2-2019-ncov-spike-s2-antibody-clone-d001-immunofluorescence-immunocytochemistry-flow-cytometry-elisa/257787