ARG11092
anti-SARS-CoV Spike protein antibody [1A9]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1A9] recognizes SARS-CoV Spike protein
Tested Reactivity	Virus
Tested Application	FACS, FuncSt, WB
Specificity	ARG11092 SARS-CoV Spike protein antibody [1A9] reacts to spike proteins from SARS-CoV, SARS-CoV-2 (2019-nCoV), Civet SARS-CoV SZ3 strain, bat SL-CoV Rp3 and Rf1 strains.
Host	Mouse
Clonality	Monoclonal
Clone	1A9
Isotype	IgG1
Target Name	SARS-CoV Spike protein
Species	Virus
Immunogen	GST-SARS-CoV Spike protein (S delta 10 fragment, a.a. 1029-1192) fusion protein.
Epitope	Within a.a. 1111–1130 (VIGIINNTVYDPLQPELDSF)
Conjugation	Un-conjugated

Application Instructions

Application table

Application	Dilution
FACS	Assay-dependent
FuncSt	Assay-dependent
WB	Assay-dependent

Application Note: Functional study MAb clone 1A9 is a neutralizing mAb that decreases human SARS-CoV and civet SARS-CoV infection (PMID: 25019613).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

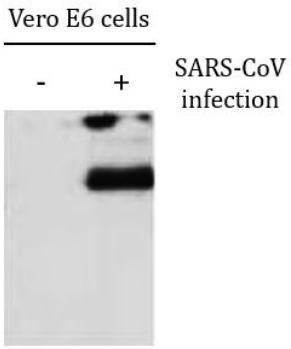
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

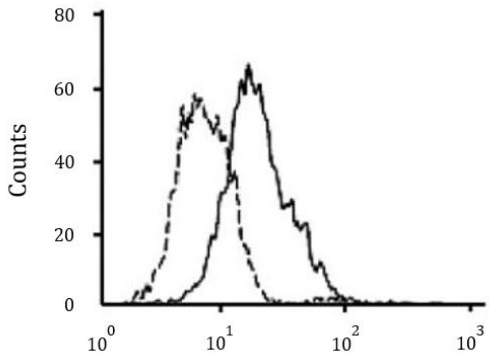
Gene Full Name	Severe acute respiratory syndrome coronavirus Spike protein
Highlight	Related products: SARS-CoV antibodies; SARS-CoV ELISA Kits; SARS-CoV recombinant proteins; Anti-Mouse IgG secondary antibodies; Related news: HMGB1, a biomarker and therapeutic target in COVID-19 ACE2, receptor of 2019-nCoV Exploring Antiviral Immune Response

Images



ARG11092 anti-SARS-CoV Spike protein antibody [1A9] WB image

Western blot: Mock-infected Vero E6 cells (-) and SARS-CoV-infected Vero E6 cells (+). Cell lysates were stained with ARG11092 anti-SARS-CoV Spike protein antibody [1A9].



ARG11092 anti-SARS-CoV Spike protein antibody [1A9] FACS image

Flow Cytometry: 293T cells infected with recombinant vaccinia virus carrying the S gene. Cells were stained with ARG11092 anti-SARS-CoV Spike protein antibody [1A9].