

Mouse COVID 19 Spike Coronavirus Antibody | anti-COVID-19 antibody

AbFlex SARS-CoV-2 Spike Antibody (rAb)(AM001414)(Clone AM001414 (414-1))

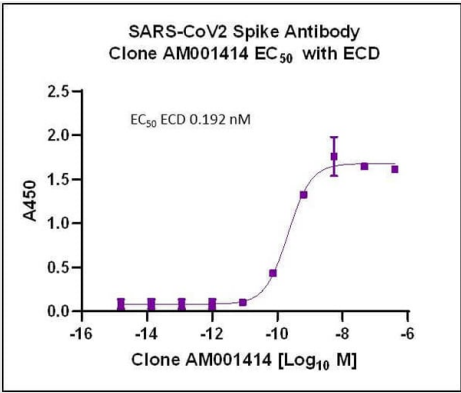
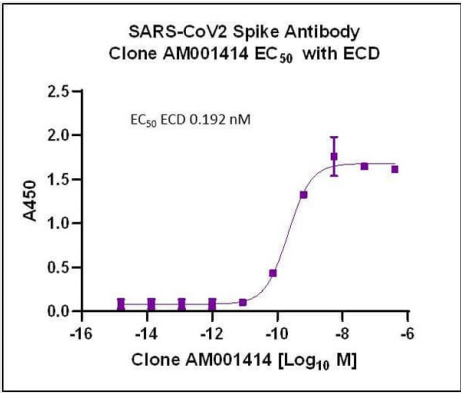
CATALOG # AAA60306	HOST Mouse	REACTIVITY Virus	APPLICATIONS ELISA, Neutralization Assay
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PRODUCT SYNONYMS

COVID 19 Spike Coronavirus; AbFlex SARS-CoV-2 Spike Antibody (rAb)(AM001414)(Clone AM001414 (414-1)); 2019 Novel Coronavirus; Coronavirus; CoV; COVID-19 virus; HCoV-2; Human Coronavirus 2019; SARS2; SARS-CoV-2; Severe acute respiratory syndrome coronavirus 2; Spike; anti-COVID-19 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Virus
Isotype	IgG2a
Clone Number	AM001414 (414-1)
Purity/Purification	Protein A Chromatography
Form/Format	140mM Hepes, pH7.5, 70mM NaCl, 32mM NaOAc, 0.035% sodium azide, and 30% glycerol. Sodium azide is highly toxic.
Concentration	1ug/ul (varies by lot)
Applicable Applications for anti-COVID-19 antibody	ELISA, NTRL (Neutralization)
Antibody Type	Recombinant Antibody
Immunogen	N/A-derived from COVID-19 patients who have cleared the virus. Their antibodies were screened for reactivity to SARS-CoV-2 and then sequenced and expressed as recombinant antibodies.
Preparation and Storage	Some products may be shipped at room temperature. This will not affect their stability or performance. Avoid repeated freeze/thaw cycles by aliquoting items into single-use fractions for storage at -20 degree C for up to 2 years. Keep all reagents on ice when not in storage.1ug/ul



ELISA

AbFlex SARS-CoV-2 Spike Antibody (rAb) (AM001414) tested by ELISA using SARS Spike protein ECD. SARS-CoV-2 Spike Extracellular Domain (ECD a.a. 14-1213) protein was coated onto microtiter plates at 5 ug/mL and then incubated with a dilution series of AbFlex SARS-CoV-2 Spike Antibody (rAb) (clone AM001414). Bound antibodies were detected with anti-mouse IgG conjugated to horseradish peroxidase (HRP) followed by incubation with HRP Substrate and then measuring the resulting absorbance at 450 nm.

ELISA

AbFlex SARS-CoV-2 Spike Antibody (rAb) (AM001414) tested by ELISA using SARS Spike protein RBD. SARS-CoV-2 Spike RBD protein was coated onto microtiter plates at 10 ug/mL and then incubated with a dilution series of AbFlex SARS-CoV-2 Spike Antibody (rAb) (clone AM001414). Bound antibodies were detected with anti-mouse IgG conjugated to horseradish peroxidase (HRP) followed by incubation with HRP Substrate and then measuring the resulting absorbance at 450 nm.

ADDITIONAL INFORMATION

Related Product Information for anti-COVID-19 antibody	Short Description: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. Our AbFlex SARS-CoV-2 Spike Antibody (rAb)(AM001414)(Clone AM001414 (414-1)) was raised in a Mouse host. It has been validated for use in Neutralizing and ELISA; it has been shown to react with Virus samples. Background: AbFlex antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. Each AbFlex antibody contains a 6xHis-tag, a Biotinylation Tag for enzymatic biotin conjugation using the biotin ligase, BirA, and a sortase recognition motif (LPXTG) to attach a variety of labels directly to the antibody including fluorophores, enzymatic substrates (HRP, AP), peptides, drugs as well as solid supports. AbFlex SARS-CoV-2 Spike (rAb)(AM038105) antibody was expressed in was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. COVID-19, which is short for coronavirus disease 2019, is the official name of the respiratory disease caused by infection with the novel coronavirus SARS-CoV-2. The virus that causes COVID-19 was named SARS-CoV-2 because it is a coronavirus genetically similar to, yet distinct from, the virus that caused the severe acute respiratory syndrome (SARS) outbreak in 2003. Studying the details of how this virus replicates and causes the disease will allow scientists and physicians to more rapidly develop fast and accurate methods of detection as well as to deploy therapeutic and vaccine strategies.
Product Categories/Family for anti-COVID-19 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

UniProt Accession #	QHD43416.1
Molecular Weight	Mol_Mass: 47.9 kDa; AP_Mol_Mass: 50-60 kDa

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.