Rev04
Update: Dec,27,2021

DATASHEET

SARS-CoV-2 Neutralizing Antibody (BS-M0220), mAb, Mouse

Cat. No.: A02057

Overview

Specificity	The product is specific for SARS-CoV-2 Spike Protein S1 subunit and its RBD domain
Host Species	Mouse
Immunogen	Recombinant SARS-CoV-2 Spike protein fragment
Conjugate	Unconjugated

Applications

Working concentrations for specific applications should be determined by the investigators. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

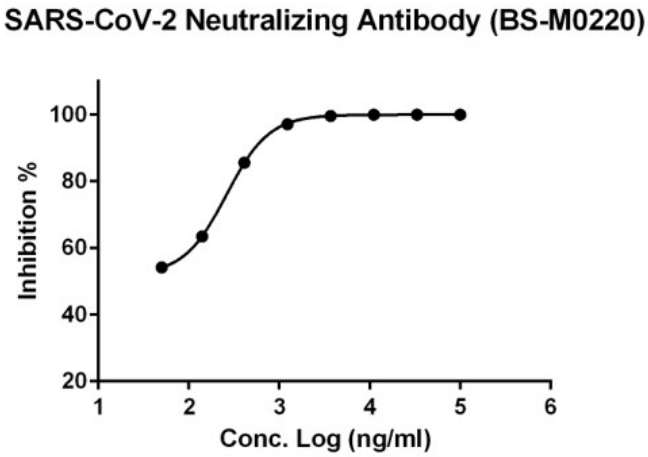
Application	Recommended Usage
ELISA detection	0.01-0.1 μg/ml
Neutralization (Neu) assay	0.2-1 μg/ml
Other applications	User-optimized

Properties

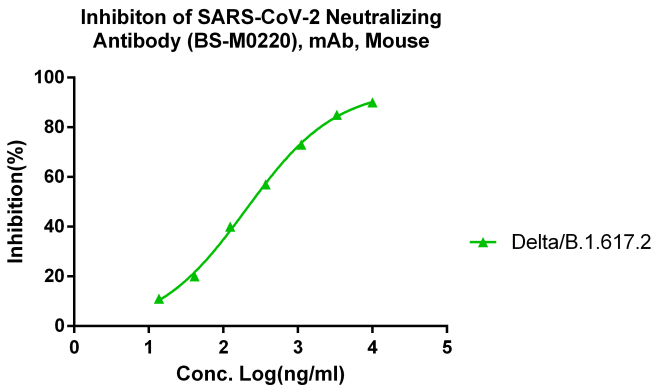
Form	Liquid
Storage Buffer	0.2 μm filtered solution in PBS, pH 7.4.
Concentration	1 mg/ml
Storage Instructions	Store at -20°C. This product is stable for 1 year upon receipt, when handled and stored as instructed. Avoid repeated freezing and thawing cycles.
Purification	Protein A affinity column

Isotype	Mouse IgG2a
Clonality	Monoclonal
Clone ID	BS-M0220
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



Neutralization assay of SARS-CoV-2 pseudovirus by SARS-CoV-2 Neutralizing Antibody (BS-M0220), mAb, Mouse (GenScript, A02057-100).
Control: Hela/ACE2 cells were infected with SARS-CoV-2 pseudovirus.
SARS-CoV-2 Neutralizing Antibody (BS-M0220), mAb, Mouse (GenScript, A02057-100) dilutions start from 10 μg/ml
IC_{50}= 0.2613 μg/ml



SARS-CoV-2 Neutralizing Antibody (BS-M0220), mAb, Mouse (GenScript, A02057) blocks Delta variant binding with Human ACE2 recombinant protein by sVNT.

SARS-CoV-2 S-RBD Delta/B.1.617.2 (GenScript, Z03613)

SARS-CoV-2 Neutralizing Antibody (5B7D7), mAb, Mouse dilution start from 10 μg/ml.

Background

Target Background : SARS-CoV-2 (Severe acute respiratory syndrome coronavirus 2), also known as 2019-nCoV, is a positive-sense single-stranded RNA virus. It caused coronavirus disease 2019 (COVID-19). SARS-CoV-2 contains glycosylated spike (S) protein, which is composed of S1 subunit and S2 subunit. The S1 contains a receptor-binding domain (RBD) that can bind to ACE2 receptor on target cells.

Synonyms : 2019-nCoV Neutralizing Antibody, mAb, Mouse

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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