

Rev02
Update: Oct,19,2022

DATASHEET

SARS-CoV-2 Spike (484Q) Antibody (Q8), mAb, Mouse

Cat. No.: A02155

Overview

Specificity	SARS-CoV-2 Spike (484Q) Antibody (Q8), mAb, Mouse is specific for 484Q site of B.1.617 SARS-CoV-2. This product can recognize single mutant (E484Q) and double mutant (L452R, E484Q), but can not recognize the wild type and single mutant (L452R).
Host Species	Mouse
Immunogen	SARS-CoV-2 Spike RBD protein (L452R, E484Q)
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	0.5 µg/ml-10 µg/ml

Properties

Form	Liquid
Storage Buffer	PBS, pH 7.2, 0.02% sodium azide
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	Affinity chromatography
Isotype	IgG1.k

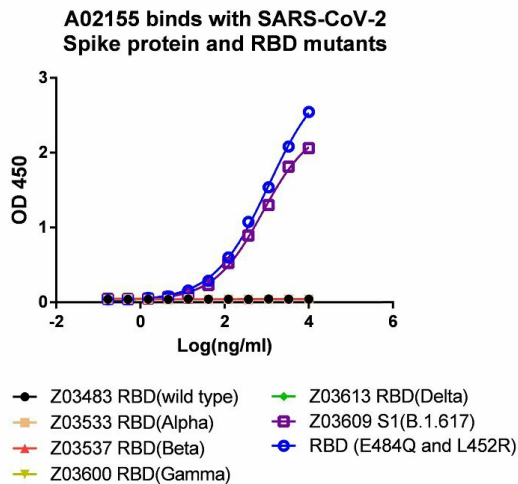
GenScript USA, Inc.

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188

Clonality	Monoclonal
Clone ID	Q8
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



ELISA binding of SARS-CoV-2 Spike (484Q) Antibody (Q8), mAb, Mouse (GenScript, A02155) with SARS-CoV-2 spike protein and RBD mutants.

Coating antigen:

S-RBD wild type; (GenScript, Z03483), 1 µg/ml

S-RBD Alpha, N501Y; (GenScript, Z03533), 1 µg/ml

S-RBD Beta, E484K+K417N+N501Y; (GenScript, Z03537), 1 µg/ml

S-RBD Gamma, E484K+K417T+N501Y; (GenScript, Z03600), 1 µg/ml

S-RBD Delta, L452R+T478K; (GenScript, Z03613), 1 µg/ml

S1 Protein B.1.617, E484Q+L452R; (GenScript, Z03609), 1 µg/ml

S-RBD B.1.617, E484Q+L452R; 1 µg/ml

SARS-CoV-2 Spike (484Q) Antibody (Q8), mAb, Mouse (GenScript, A02155) 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. Lineage B.1.617 has the double mutations E484Q and L452R in the spike proteins.

Synonyms : 2019-nCoV Spike (484Q) Antibody, SARS-CoV-2 Spike 484Q specific antibody, SARS-CoV-2 lineage B.1.617 specific antibody.

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