Rev05
Update: Oct,19,2022

DATASHEET

MonoRab™ SARS-CoV-2 Spike S1 Antibody (BS-R2B12), mAb, Rabbit

Cat. No.: A02058

Overview

Specificity	The product is specific for SARS-CoV-2 Spike Protein S1 subunit and its RBD domain.
Host Species	Rabbit
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	0.01-0.1 μg/ml
Flow Cytometry	10 μg/ml

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	Rabbit IgG

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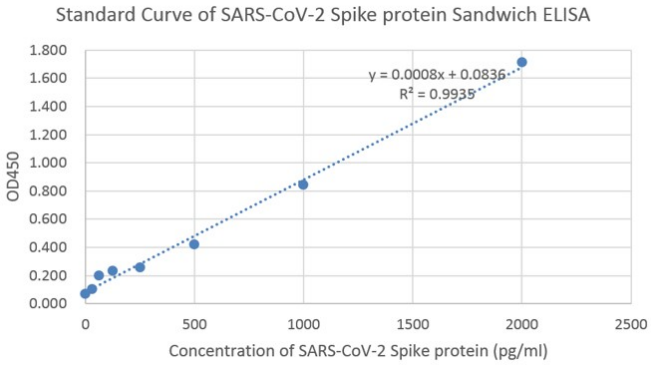
Clonality	Monoclonal
Clone ID	BS-R2B12
Note	GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



Standard curve of SARS-CoV-2 Spike Protein Sandwich ELISA. The SARS-CoV-2 Spike Protein Sandwich ELISA assay is developed by using MonoRab™ SARS-CoV-2 Spike S1 Antibody (BS-R2B12), mAb, Rabbit (GenScript, A02058) and MonoRab™ SARS-CoV-2 Neutralizing Antibody (BS-R2B2), mAb, Rabbit (Genscript, A02051) as the capture and detection antibodies, respectively.
In this ELISA assay, MonoRab™ SARS-CoV-2 Neutralizing Antibody (BS-R2B2), mAb, Rabbit (Genscript, A02051) was labeled with HRP.

The sensitivity of detecting SARS-CoV-2 spike protein is up to 60 pg/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 Spike S1 Antibody, mAb, Rabbit

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