

Rev06
Update: Aug,11,2025**DATASHEET**

SARS-CoV-2 Spike S1 Antibody (HC2001), Human Chimeric

Cat. No.: A02038

Overview

Specificity	The product is specific for SARS-CoV-2 Spike Protein S1 subunit and its RBD domain.
Host Species	Human
Immunogen	Recombinant SARS-CoV-2 RBD Protein
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.

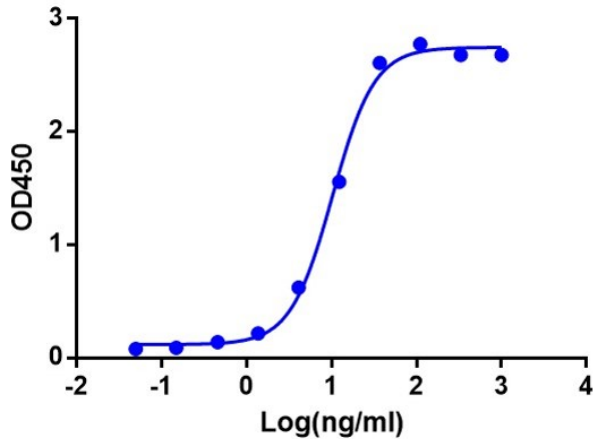
Application	Recommended Usage
ELISA	0.1-10 µg/ml

Properties

Form	Liquid
Storage Buffer	Supplied in PBS, pH 7.4, containing 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	Protein A affinity column
Isotype	Recombinant human IgG1
Clonality	Monoclonal
Clone ID	HC2001

Note GenScript can customize this product per customer's request including product size, buffer components, etc.

Examples



ELISA binding of SARS-CoV-2 Spike S1 Antibody (HC2001), Human Chimeric (GenScript, A02038) with SARS-CoV-2 Spike protein (RBD, His Tag, CHO-expressed) (GenScript, Z03514). Coating antigen: SARS-CoV-2 Spike protein (RBD, His Tag, CHO-expressed) (GenScript, Z03514), 1 µg/ml. SARS-CoV-2 Spike S1 Antibody (HC2001), Human Chimeric (GenScript, A02038) dilution start from 1 µg/ml. EC50= 10.3 ng/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. SARS-CoV-2 Spike S1 Antibody (HC2001), Human Chimeric is produced from cell culture in vitro under conditions free from animal-derived components.

Synonyms : 2019-nCoV Spike S1 Antibody (HC2001), SARS-CoV-2 S1 RBD Antibody

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

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