

Datasheet for ABIN6953296

**anti-SARS-CoV-2 Spike S1 antibody (Trimer)**[Go to Product page](#)

## 1 Image

## Overview

Quantity:	1 mg
Target:	SARS-CoV-2 Spike S1
Binding Specificity:	Trimer
Reactivity:	SARS Coronavirus-2 (SARS-CoV-2)
Host:	Cell culture
Clonality:	Monoclonal
Application:	ELISA, Western Blotting (WB), Lateral Flow (LF)

## Product Details

Purpose:	Monoclonal Antibody to SARS-CoV-2 Trimeric Spike Protein, Linear Epitope
Immunogen:	Recombinant SARS-CoV-2 S1 Protein.
Isotype:	IgG1
Specificity:	This antibody is specific to SARS-CoV-2 Spike trimeric protein.
Cross-Reactivity (Details):	DOES NOT cross-react with recombinant SARS-CoV, HCoV-229E, HCoV-HKU1, HCoV-NL63 and HCoV-OC43.
Characteristics:	Coronavirus-neutralizing antibodies primarily target the trimeric spike (S) glycoproteins on the viral surface that mediate entry into host cells. This antibody binds to recombinant SARS-CoV-2 trimeric spike protein and can recognize the membrane bound form from the cell line expressing full-length SARS-CoV-2 protein. It also recognizes the G614 and D614G strains. This antibody is specific to SARS-CoV-2 Spike trimeric protein and DOES NOT cross-react with recombinant SARS-CoV, HCoV-229E, HCoV-HKU1, HCoV-NL63 and HCoV-OC43. This antibody

## Product Details

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with its corresponding pair can detect SARS-CoV-2 trimeric spike protein down to ~300 pg/mL by using TMB substrate in ELISA assay. This antibody with its corresponding pair was prepared against the linear epitope, so it is not conformation dependent.

Purification: Protein A Chromatography

Purity: 90 % pure

## Target Details

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Target: SARS-CoV-2 Spike S1

Abstract: [SARS-CoV-2 Spike S1 Products](#)

Target Type: Viral Protein

## Application Details

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Application Notes: This antibody was designed to work with saliva patient samples that do not require lysis. Every laboratory needs to determine the optimal working conditions for ELISA, Lateral Flow and Western Blot applications.

Recommended pair for Immunoassay:

Capture - Detection

ABIN6953296 - ABIN6953297

Restrictions: For Research Use only

## Handling

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Format: Liquid

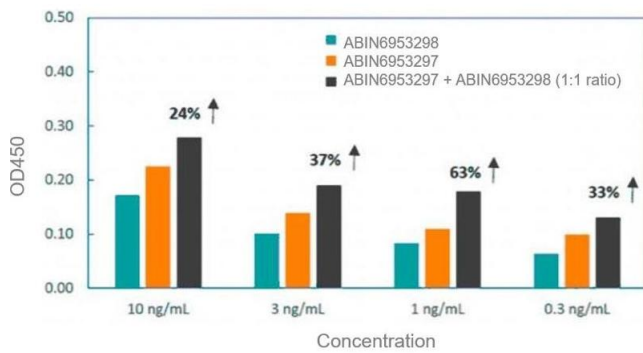
Concentration: 1.52 mg/mL

Buffer: Phosphate Buffered Saline, pH 7.4

Preservative: Without preservative

Storage: 4 °C

Storage Comment: Store at 2-8°C.



## ELISA

**Image 1.** MAb sandwich ELISAs were compared for their ability to detect recombinant SARS-CoV-2 across 4 serial dilutions (10 ng/mL - 0.3 ng/mL). One assay used ABIN6953296 as the capture and ABIN6953297 as the detection antibody a second assay used ABIN6953296 as the capture and ABIN6953298 as the detection antibody and a third assays used ABIN6953296 as the capture and ABIN6953297 and ABIN6953298 together in a 1:1 ratio as the detection antibodies. Using ABIN6953297 and ABIN6953298 in combination creates a synergistic effect that results in an enhanced detection of SARS-CoV-2 Trimeric Spike protein across all concentrations.