Datasheet for ABIN6953298

anti-SARS-CoV-2 Spike S1 antibody (Trimer)

1 Image

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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 1 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. 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 was prepared against the linear epitope, so it

Product Details

	is not conformation dependent.
Purification:	Protein A Chromatography
Purity:	90 % pure

Target Details

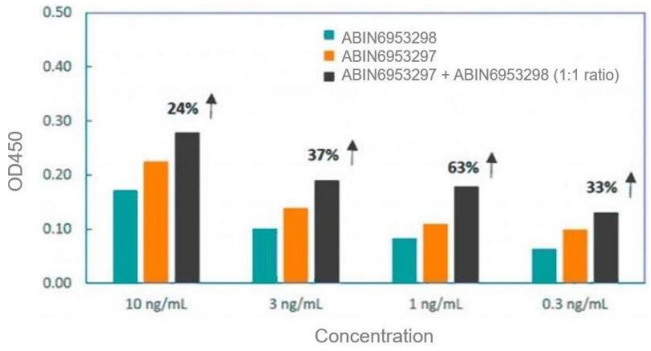
Target:	SARS-CoV-2 Spike S1
Abstract:	SARS-CoV-2 Spike S1 Products
Target Type:	Viral Protein

Application Details

Application Notes:	This antibody can be mixed 1:1 with ABIN6953297 for a synergistic effect that increases sensitivity in ELISA. 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 - ABIN6953298 and ABIN6953297 (Use as 1:1 for a synergistic effect to enhance sensitivity.)
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	3.06 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.