# abcam

## Product datasheet

# Anti-SARS-CoV-2 Protein 9b antibody [EPR25043-28] ab284035

Recombinant    RabMAb

★★★★☆ **1 Abreviews**    3 Images

## Overview

| | |
|---|---|
| **Product name** | Anti-SARS-CoV-2 Protein 9b antibody [EPR25043-28] |
| **Description** | Rabbit monoclonal [EPR25043-28] to SARS CoV-2 ORF9b protein |
| **Host species** | Rabbit |
| **Tested applications** | **Suitable for:** Indirect ELISA, WB |
| **Species reactivity** | |
| | **Predicted to work with:** SARS-CoV-2 ⚠ |
| **Immunogen** | Recombinant fragment. This information is proprietary to Abcam and/or its suppliers. |
| **Positive control** | WB: Recombinant SARS-CoV2 ORF9b protein (GST-tagged). |
| **General notes** | Protein 9b and ORF9b are alternative names for Uniprot P0DTD2. |

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information **see here**.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

## Properties

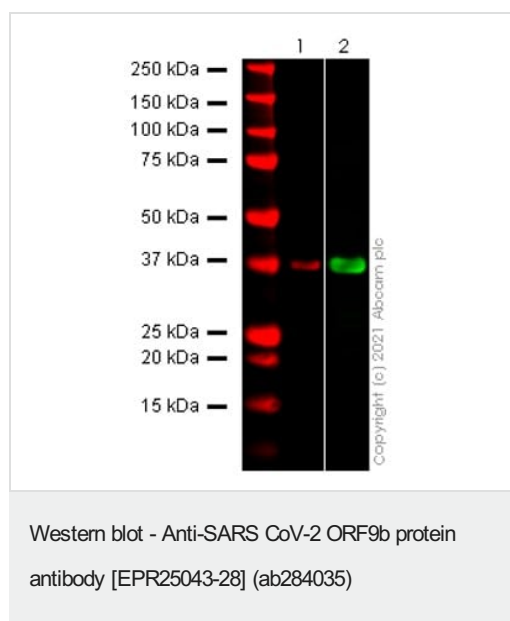| | |
|---|---|
| **Form** | Liquid |
| **Storage instructions** | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| **Storage buffer** | pH: 7.20<br>Preservative: 0.01% Sodium azide<br>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA |
| **Purity** | Protein A purified |

| Clonality | Monoclonal |
|---|---|
| Clone number | EPR25043-28 |
| Isotype | IgG |

## Applications

**The Abpromise guarantee**  Our **Abpromise guarantee** covers the use of ab284035 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|---|---|---|
| **Indirect ELISA** | | Use at an assay dependent concentration. |
| **WB** | ★★★★☆ **(1)** | 1/1000. Detects a band of approximately 37 kDa. |

## Images

Western blot - Anti-SARS CoV-2 ORF9b protein antibody [EPR25043-28] (ab284035)

**Lane 1 :** Anti-GST antibody [3G10/1B3] (**ab92**) at 1/1000 dilution
**Lane 2 :** Anti-SARS-CoV-2 Protein 9b antibody [EPR25043-28] (ab284035) at 1/1000 dilution

**All lanes :** Recombinant SARS-CoV2 ORF9b protein (GST-tagged)

Lysates/proteins at 0.2 µg per lane.

**Secondary**
**Lane 1 :** Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) at 1/20000 dilution
**Lane 2 :** Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/20000 dilution
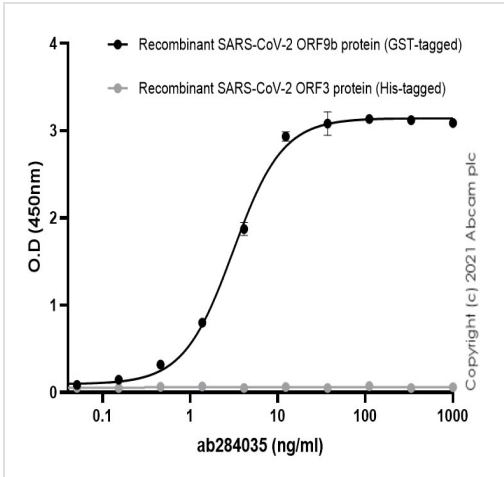
**Observed band size:** 37 kDa

ab284035 was shown to bind specifically to SARS-CoV-2 ORF9b protein in Western blot. Samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged.

Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) at 1/20000 dilution.

**ab92** is a Mouse monoclonal [3G10/1B3] to GST

**Blocking buffer:** 3% milk in TBS-0.1% Tween® 20 (TBS-T)

### Indirect ELISA- Anti-SARS-CoV2 ORF9b Protein Antibody (ab284035)

Indirect ELISA showing primary antibody ab284035 binding to recombinant SARS-CoV-2 ORF9b protein. Plates were coated with recombinant SARS-CoV-2 ORF9b protein (GST-tagged) and recombinant SARS-CoV-2 ORF3 protein (His-tagged) at 1000 ng/ml. Binding of ab284035 was assessed in a serial dilution range 0.016- 1000 ng/mL (a 3-fold serial dilution).

Binding was detected using pre-adsorbed secondary antibody, goat anti-rabbit IgG H&L (HRP, **ab97080**) at 1/2000 dilution.



Indirect ELISA - Anti-SARS CoV-2 ORF9b protein antibody [EPR25043-28] (ab284035)



Anti-SARS CoV-2 ORF9b protein antibody [EPR25043-28] (ab284035)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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