



[Go to Product page](#)

Datasheet for ABIN6990121

## anti-SARS-Coronavirus Membrane Protein (SARS-CoV M) (N-Term) antibody

### Overview

Quantity:	0.1 mg
Target:	SARS-Coronavirus Membrane Protein (SARS-CoV M)
Binding Specificity:	N-Term
Reactivity:	SARS Coronavirus (SARS-CoV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA

### Product Details

Immunogen:	Anti-SARS-CoV Matrix antibody was raised against a peptide corresponding to 13 amino acids near the amino-terminus of SARS-CoV Matrix protein. The immunogen is located within the first 50 amino acids of SARS-CoV Matrix.
Isotype:	IgG
Purification:	SARS-CoV Matrix Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	SARS-Coronavirus Membrane Protein (SARS-CoV M)
Alternative Name:	SARS-CoV M Protein ( <a href="#">SARS-CoV M Products</a> )
Target Type:	Viral Protein

## Target Details

---

**Background:** Coronavirus disease 2019 (COVID-19), formerly known as 2019-nCoV acute respiratory disease, is an infectious disease caused by SARS-CoV-2, a virus closely related to the SARS virus (1). The disease is the cause of the 2019-20 coronavirus outbreak (2). The structure of 2019-nCoV consists of the following: a spike protein (S), hemagglutinin-esterase dimer (HE), a membrane glycoprotein (M), an envelope protein (E) a nucleocapsid protein (N) and RNA. The membrane (M) protein or matrix protein is the most abundant structural protein and defines the shape of the viral envelope (3). It is an integral membrane protein involved in the budding of the viral particles and interacts with S (Spike) protein. It involves in organization of the nucleoprotein inside, which includes many copies of the N (nucleocapsid) protein bound to the genomic RNA. The M protein holds dominant cellular immunogenicity and has been determined as a protective antigen in humoral responses, which suggests it would serve as a potential target in vaccine design (4).

---

**Gene ID:** 1489672

---

**UniProt:** [P59596](#)

## Application Details

---

**Application Notes:** SARS-CoV Matrix antibody can be used for the detection of SARS-CoV Matrix protein in ELISA. It will detect 5 ng of free peptide at 1 µg/mL.

---

**Restrictions:** For Research Use only

## Handling

---

**Format:** Liquid

---

**Concentration:** 1 mg/mL

---

**Buffer:** SARS-CoV Matrix Antibody is supplied in PBS containing 0.02 % sodium azide.

---

**Preservative:** Sodium azide

---

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

---

**Storage:** -20 °C, 4 °C

---

**Storage Comment:** SARS-CoV Matrix antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.