

## Datasheet

Anti-ACE2 (Human) Monoclonal Antibody (Blocking) [Clone AC384] (Preservative Free)

Product Name	Anti-ACE2 Monoclonal Antibody [Clone AC384]
Catalogue Number	BSV-COV-AB-26
Pack Size	100 µg
Concentration	1 mg/ml
Clone, Isotype	Monoclonal AC384, Mouse IgG1κ
Format	IgG
Tested Applications	ELISA, Western Blot, Functional Application

### Description:

Anti-ACE2 (Human) monoclonal antibody purified by Protein G. Optimal dilutions/concentrations should be determined by the researcher, individually for each application.

### Product Details:

**Specificity:** Recognizes human ACE2.

**Formulation:** Liquid. In PBS.

**Isotype:** Mouse IgG1κ

**Immunogen:** The immunogen used to generate this antibody corresponds to recombinant human ACE2 Protein.

**Buffer:** PBS

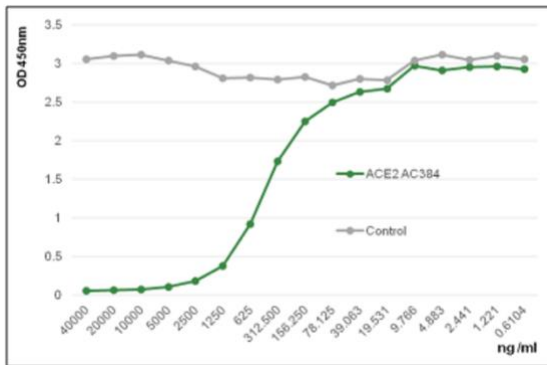
**Label/Conjugates:** Preservative Free

**Storage:** Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage, store at +4°C. For long-term storage, store at -20°C. After opening, prepare aliquots and store at -20°C. Avoid freeze/ thaw cycles.

**Regulatory/ Restrictions:** For laboratory use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals.

Applications	Suggested Dilution
ELISA	1:2000-1:10000
Western Blot	1:2000-1:10000
Functional Application	Blocks the binding of human ACE2 to the Spike protein of SARS-CoV-2

## Applications



Clone AC384 inhibits the binding of ACE2 (human) to the Spike protein of SARS-CoV-2 by **ELISA**.

Binding of ACE2 (human) to the Spike protein of SARS-CoV-2 is inhibited by the anti-ACE2 monoclonal antibody (BSV-COV-AB-26). Spike is coated on an ELISA plate at 1µg/ml. ACE2 (human) mAb (blocking) (BSV-COV-AB-26) or an unrelated mAb control are added together with 500ng/ul of ACE2 (human). After incubation for 1h at RT, the binding was detected using an anti-FLAG antibody (HRP).

**Dilution started at: 40µg/ml**

**References:**

1. Development of an enzymatic assay for the detection of neutralizing antibodies against therapeutic angiotensin converting enzyme 2 (ACE2): K. Liao, et al.; J. Immunol. Meth. 389, 52 (2013)
2. Role of angiotensin-converting enzyme 2 (ACE2) in diabetic cardiovascular complications: VB. Patel, et al.; Clin. Sci. 126, 471 (2014).