

**Datasheet**

Recombinant Anti-SARS-CoV-2 Spike Protein S1, Monoclonal Antibody (blocking) [Covi-2] (preservative free).

|                     |   |
|---------------------|---|
| Product Name        | Recombinant Anti-SARS-CoV-2 Spike (S1) Monoclonal Antibody [Clone Covi-2] |
| Catalogue Number    | BSV-COV-AB-30   |
| Pack Size           | 100 µg  |
| Concentration       | 1 mg/ml   |
| Clone, Isotype      | Covi-2, IgG1  |
| Format              | IgG   |
| Tested Applications | ELISA, Western Blot, Functional Application                               |

**Description:**

Recombinant Anti-SARS-CoV-2 Spike (S1) Monoclonal Antibody [Covi-2] ≥98% purity by SDS-PAGE.

**Product Details:**

**Specificity:** Recognizes and binds to recombinant SARS-CoV-2 Spike Protein S1. It blocks the interaction of SARS-CoV-2 Spike Protein S1 (RBD) to human ACE2. Detects a different epitope as anti-SARS-CoV-2 Spike Protein S1, mAb (rec.) (blocking) (Covi-1).

**in stock:** Liquid. In PBS

**Host:** HEK 293 cells

**Immunogen:** The immunogen used to generate this antibody corresponds to recombinant SARS-CoV-2 Spike Protein S1 receptor binding domain.

**Buffer:** PBS

**Purity:** ≥98% (SDS-PAGE)

**Conjugation:** Preservative Free

**Alternative names:** 2019-nCoV Spike Protein S1

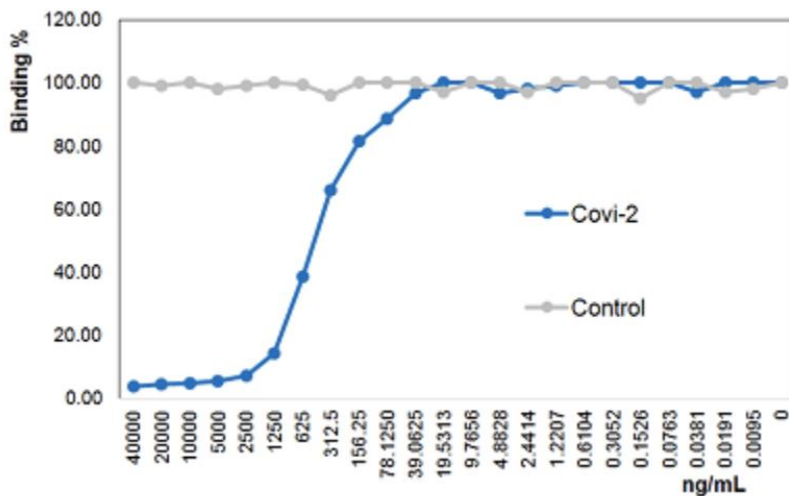
**Shipping:** Shipped on Blue Ice.

**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. Stable for at least 1 year after receipt when stored at -20°C.

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

| Applications           | Suggested Dilution |
|------------------------|--------------------|
| ELISA                  | Assay Dependent    |
| Western Blot           | 1:1000             |
| Functional Application | Blocking           |

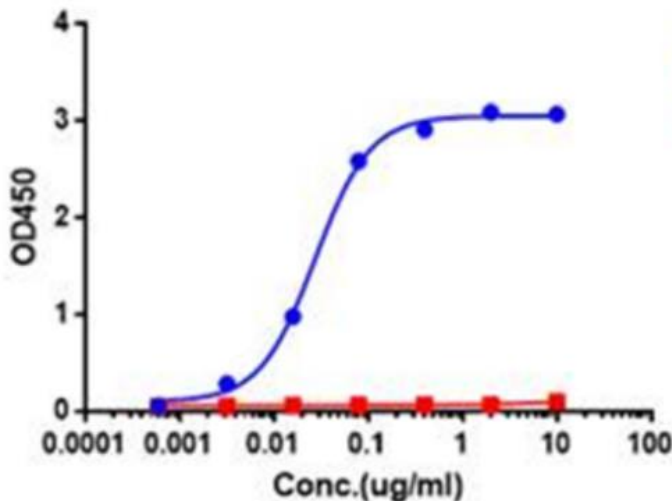
## Applications



Clone Covi-2 inhibits the binding of hACE2 to the Spike protein of SARS-CoV-2 by ELISA.

SARS-CoV-2 Spike Protein S1 is coated on an ELISA plate at 1ug/ml. SARS-CoV-2 Spike Protein S1, mAb (blocking) [Covi-2] (BSV-COV-AB-30) or an unrelated recombinant mAb (control) is added together with 500ng/ul of hACE (Biotin). After incubation for 1h at 37°C, the binding is detected using Streptavidin (HRP).

**Dilution starting at:** 40ug/ml with a two-fold serial dilution



Clone Covi-2 assaying with SARS-CoV-2 S1 Protein by ELISA.

ELISA binding assay with SARS-CoV-2 S1 Protein (RBD) (His) using anti-SARS-CoV-2 Spike Protein (S1), mAb [Covi-2] (BSV-COV-AB-30) (blue line) and an unrelated antibody as negative control (red line).