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.

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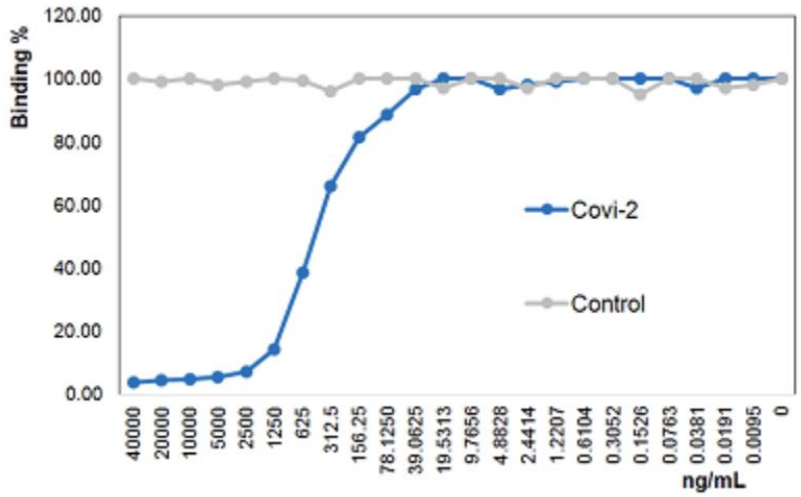
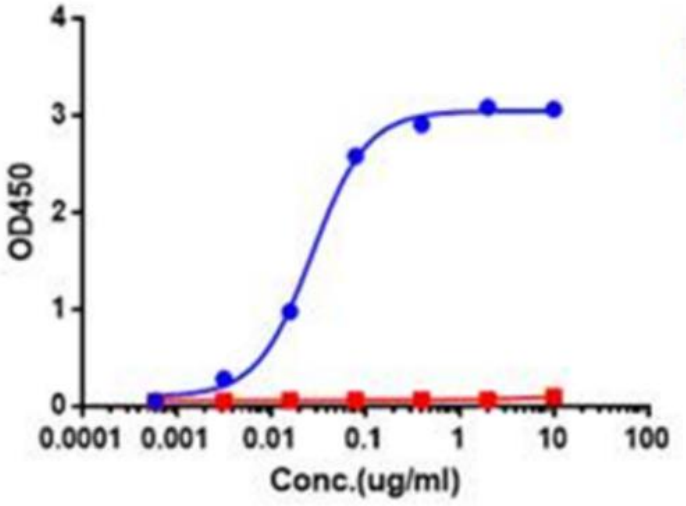
Applications	Suggested Dilution
ELISA	Assay Dependent
Western Blot	1:1000
Functional Application	Blocking

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 37₀C, 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).

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