S
Human Anti-SARS-CoV-2 Spike-RBD (Clone AbA128) mAb

Catalog No.	CPC527A CPC527B	**Quantity:**	50 µg 100 µg

Alternate Names: Spike glycoprotein, Spike receptor binding domain, Spike-RB protein

Description: Recombinant Human anti-SARS-CoV-2 Spike-RBD, Clone AbA128 is expressed in XtenCHO.
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) is an enveloped, positive-sense, single-stranded RNA virus that causes coronavirus disease 2019 (COVID -19). The structural proteins of SARS-CoV-2 include the envelope protein (E), spike or surface glycoprotein (S), membrane protein (M) and the nucleocapsid protein (N). The spike glycoprotein is found on the outside of the virus particle and gives coronavirus viruses their crown-like appearance. Spike glycoprotein is cleaved into the following 3 chains, Spike protein S1, Spike protein S2, Spike protein S2'. Spike protein S1 attaches the virion to the cell membrane by interacting with host receptor, initiating the infection. Binding to human ACE2 receptor and internalization of the virus into the endosomes of the host cell induces conformational changes in the Spike glycoprotein. Surface glycoprotein is an important target for vaccine development, antibody therapies and diagnostic antigen-based tests.

UniProt ID: P0DTC2

Immunogen: Recombinant SARS-CoV-2 Spike-RBD protein

Specificity: Recognizes SARS-CoV-2 Spike-RBD protein

Source: XtenCHO

Isotype: Human IgG1

Clone: AbA128

Concentration: 1.0 mg/ml

Formulation: Sterile-filtered PBS, pH 7.5 preservative free.

Purification: Protein A affinity chromatography

Applications: This antibody may be used as the capture Ab when paired with CPC525 as the detecting antibody in a sandwich ELISA.

Application Notes: ELISA: 1:5,000 - 1:10,000
Western blot: suggested dilution 1:1,000 - 1:2,000

Storage & Stability: Stable at 2-8°C for 1 week or for up to 1 year at -20°C to -80°C. It is recommended to prepare working aliquots of undiluted product and store -20°C to -80°C.

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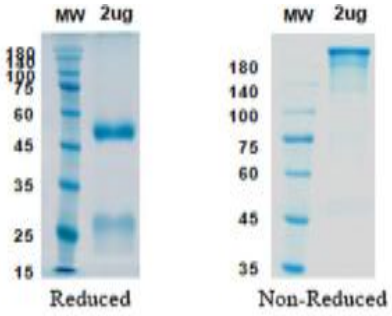

Coomassie blue staining non-reduced and reduced SDS-PAGE analysis

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