S
Human Anti-SARS-CoV-2 Spike-RBD Tixagevimab (AZD8895) Neutralizing mAb

Catalog No.	CPC537A CPC537B	**Quantity:**	50 µg 100 µg

Alternate Names: Spike glycoprotein, S glycoprotein receptor binding domain, S-RBD AZD8895, Tixagevimab, COV2-2196

Description: Tixagevimab (AZD8895 or COV2-2196) was derived from B-cells donated by convalescent patients after SARS-CoV-2 viral infection. AZD8895 is able to block the binding of the SARS-CoV-2 virus to host cells and protect against infection in cell and animal models of disease.
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). 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. Spike glycoprotein is an important target for vaccine development, antibody therapies and diagnostic antigen-based tests.

UniProt ID: P0DTC2

Origin: Derived from B-cells donated by convalescent patients after SARS-CoV-2 viral infection

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

Source: XtenCHO

Purity: > 95% by reduced and non-reduced SDS-PAGE

Isotype: Human IgG

Clone: AZD8895 (Tixagevimab) or COV2-2196

Concentration: 1.0 mg/ml, lot specific

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

Purification: Protein A affinity chromatography

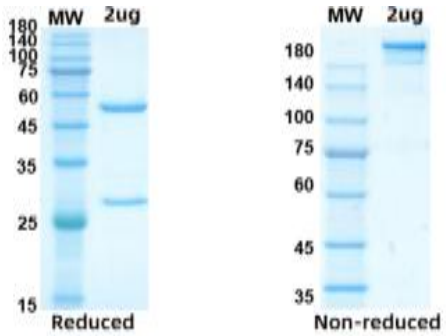
Applications: **Neutralization, Functional Assays, ELISA**

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 single-use aliquots of undiluted product and store -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com



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

Cell Sciences®
65 Parker Street
Unit 11
Newburyport, MA 01950

Toll Free: 888-769-1246
Phone: 978-572-1070
Fax: 978-992-0298

E-mail: info@cellsciences.com
Website: www.cellsciences.com