Technical Data Sheet

InVivoMAb anti-SARS-CoV-2 S protein (RBD epitope A)

Attention: Use of this product constitutes an agreement to Bio X Cell's Terms and Conditions which are included with this product in print and can also be found at https://bioxcell.com/terms-and-conditions.

Lot Specific Information

Lot Number: **Lot Specific***
Volume: **Lot Specific***
Concentration: **Lot Specific* (generally 4 to 11 mg/ml) ***
Total Protein: **Lot Specific***

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	**BE0357**
Clone:	**SARS2-01**
Isotype:	Mouse IgG1, κ
Recommended Isotype Control(s):	InVivoMAb mouse IgG1 isotype control, unknown specificity
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	SARS-CoV-2 S and RBD proteins
Reported Applications:	*in vitro* blocking of SARS-CoV-2 S protein Flow cytometry ELISA
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	≤1EU/mg (≤0.001EU/μg) Determined by LAL gel clotting assay
Purity:	≥95% Determined by SDS-PAGE
Sterility:	0.2 μm filtration
Production:	Purified from cell culture supernatant in an animal-free facility
Purification:	Protein G
RRID:	AB_2894776
Molecular Weight:	150 kDa

Description

The SARS2-01 monoclonal antibody reacts with the receptor binding domain (RBD) in the spike (S) protein of SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2). SARS-CoV-2 is a positive-sense, single-stranded RNA virus which causes the acute respiratory disease COVID-19. The S protein is the main surface antigen of SARS-CoV-2. The RBD in the S protein specifically binds to angiotensin-converting enzyme 2 (ACE2) on target cells, mediating SARS-CoV-2 host cell entry. The SARS2-01 antibody has been shown to block the binding of the SARS-CoV-2 S protein to ACE2 in vitro.

Storage

Store at the stock concentration at 4°C . **Do not freeze.**
It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at https://bioxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit https://bioxcell.com/be0357?bxcs=9k1b3a#tab_references or scan the QR code below.

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