

# 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,  $\kappa$   
**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:** <2EU/mg (<0.002EU/ $\mu$ g)  
Determined by LAL gel clotting assay  
**Purity:** >95%  
Determined by SDS-PAGE  
**Sterility:** 0.2  $\mu$ m filtration  
**Production:** Purified from cell culture supernatant in an animal-free facility  
**Purification:** Protein G  
**RRID:** [AB\\_2894776](https://ab2894776)  
**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](https://bioxcell.com/be0357?bxcs=9k1b3a#tab_references) or scan the QR code below.



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