

## Product Datasheet

### CD70 Biosimilar Antibody (orb689310)

|                            |                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>      | orb689310                                                                                                                                                                                        |
| <b>Category</b>            | Antibodies                                                                                                                                                                                       |
| <b>Description</b>         | Anti-CD70 (vorsetuzumab biosimilar) mAb                                                                                                                                                          |
| <b>Target</b>              | CD70                                                                                                                                                                                             |
| <b>Clonality</b>           | Monoclonal                                                                                                                                                                                       |
| <b>Species/Host</b>        | Human                                                                                                                                                                                            |
| <b>Isotype</b>             | Human IgG1 - kappa                                                                                                                                                                               |
| <b>Conjugation</b>         | Unconjugated                                                                                                                                                                                     |
| <b>Reactivity</b>          | Human                                                                                                                                                                                            |
| <b>Form/Appearance</b>     | Powder                                                                                                                                                                                           |
| <b>Reconstitution</b>      | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| <b>Purification</b>        | Purified from cell culture supernatant by affinity chromatography                                                                                                                                |
| <b>UniProt ID</b>          | <b>P32970</b>                                                                                                                                                                                    |
| <b>Tested applications</b> | ELISA, FC                                                                                                                                                                                        |
| <b>Dilution range</b>      | ELISA 1:5000-10000; Flow Cyt 1:100                                                                                                                                                               |
| <b>Antibody Type</b>       | Biosimilar Antibody                                                                                                                                                                              |

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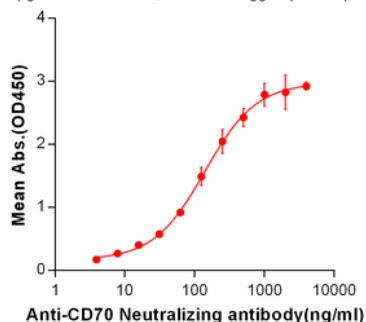
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**Storage** Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

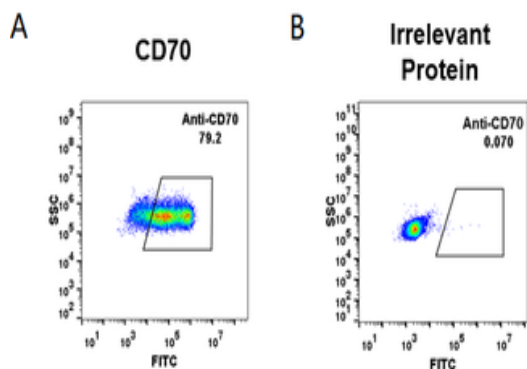
**Note** For research use only

**Expiration Date** 12 months from date of receipt.

Anti-CD70 (vorsetuzumab biosimilar) mAb ELISA  
0.2µg of Human CD70, mFc-His Tagged protein per well



ELISA plate pre-coated by 2 µg/ml (100 µL/well) Human CD70, mFc-His tagged protein orb689401 can bind Anti-CD70 Neutralizing antibody in a linear range of 3.91-139.9 ng/ml.



HEK293 cell line transfected with irrelevant protein (B) and human CD70 (A) were surface stained with anti-CD70 neutralizing antibody 1 µg/ml (vorsetuzumab) followed by Alexa 488-conjugated anti-human IgG secondary antibody.

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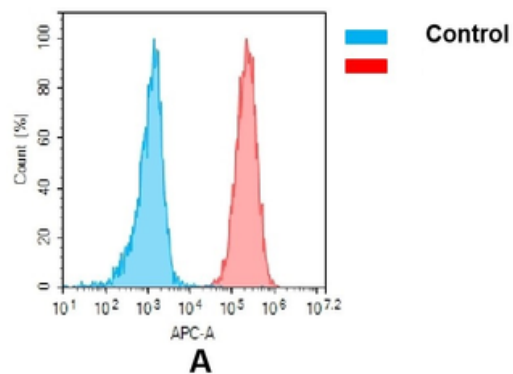
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Flow cytometry analysis of antigen binding of anti-human CD70 mAb (orb689310). (A) A clear peak shift of orb689310 was seen compared to the control when incubated with CD70-expressing THP1 cells, indicating strong binding of orb689310 to CD70. Antibodies were incubated at 2  $\mu$ g/mL.

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