

## Product Datasheet

### 5T4 Biosimilar Antibody (orb1743396)

|                            |  |
|----------------------------|--|
| <b>Catalog Number</b>      | orb1743396   |
| <b>Category</b>            | Antibodies   |
| <b>Description</b>         | Anti-5T4 (H8 biosimilar) mAb   |
| <b>Target</b>              | 5T4  |
| <b>Clonality</b>           | Monoclonal   |
| <b>Species/Host</b>        | Human Humanized  |
| <b>Isotype</b>             | Human IgG1 - kappa   |
| <b>Conjugation</b>         | Unconjugated   |
| <b>Reactivity</b>          | Human  |
| <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>Q13641</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  |
| <b>Storage</b>             | 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.  |

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

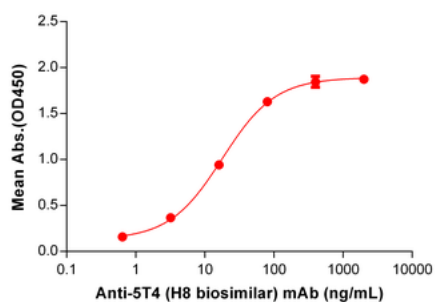
**Note** For research use only

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



5T4 protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with 15 µg/mL Anti-5T4 (H8 biosimilar) mAb (orb1743396) on Expi293 cells transfected with human 5T4 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram)

**Anti-5T4 (H8 biosimilar) mAb ELISA**  
0.2 µg of Human 5T4, His tagged protein per well



ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human 5T4 Protein, His Tag (orb757424) can bind Anti-5T4 (H8 biosimilar) mAb (orb1743396) in a linear range of 0.64–16 ng/ml.

**Biorbyt Ltd.**

7 Signet Court, Swann Road  
Cambridge  
CB5 8LA  
United Kingdom

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

**Biorbyt LLC**

68 TW Alexander Drive  
Research Triangle Park  
Durham  
NC 27713-2847  
United States

Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558