

## Product Datasheet

### 4-1BB Biosimilar Antibody (orb1173662)

<b>Catalog Number</b>	orb1173662
<b>Category</b>	Antibodies
<b>Description</b>	Anti-4-1BB (utomilumab biosimilar) mAb
<b>Target</b>	4-1BB
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Human
<b>Isotype</b>	Human IgG2 - Lambda1
<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>Q07011</b>
<b>Tested applications</b>	ELISA, FC
<b>Dilution range</b>	ELISA 1:5000-10000
<b>Antibody Type</b>	Biosimilar Antibody

**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)

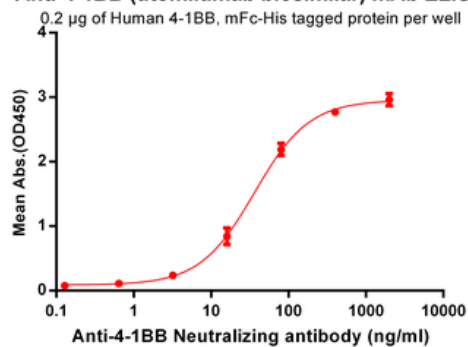
**Biorbyt LLC**

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

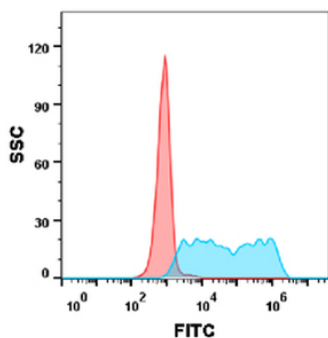
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

<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.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

**Anti-4-1BB (utomilumab biosimilar) mAb ELISA**

ELISA plate pre-coated by 2 µg/ml (100 µL/well) Human 4-1BB, mFc-His tagged protein orb689372 can bind Anti-4-1BB Neutralizing antibody (orb1173662) in a linear range of 3.2-400 ng/ml.



Flow cytometry analysis with Anti-4-1BB (utomilumab) on Expi293 cells transfected with human 4-1BB (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

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Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

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