

## Product Datasheet

### TFRC Biosimilar Antibody (orb1291112)

<b>Catalog Number</b>	orb1291112
<b>Category</b>	Antibodies
<b>Description</b>	Anti-TFRC(pabinafusp alfa biosimilar) mAb
<b>Target</b>	TFRC
<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>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>P02786</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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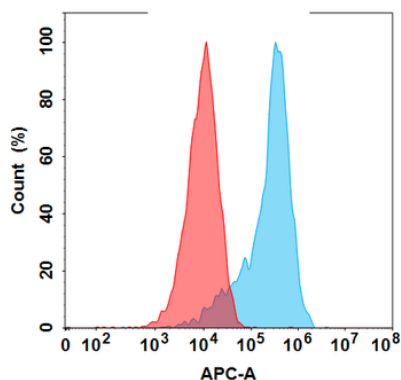
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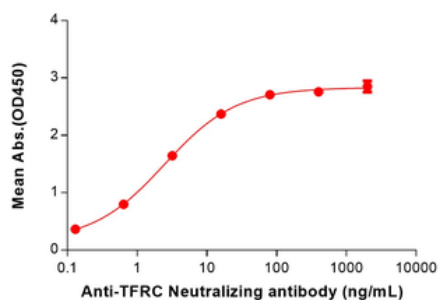
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<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



Flow cytometry analysis with 1 µg/mL Anti-TFRC mAb (orb1291112) on Expi293 cells transfected with Human TFRC protein (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

**Anti-TFRC(pabinafusp alfa biosimilar) mAb ELISA**  
0.2 µg of Human TFRC, His tagged protein per well



ELISA plate pre-coated by 2 µg/mL (100 µL/well) Human TFRC Protein, His Tag (orb1290880) can Anti-TFRC (pabinafusp alfa biosimilar) mAb (orb1291112) in a linear range of 0.13-16 ng/ml.

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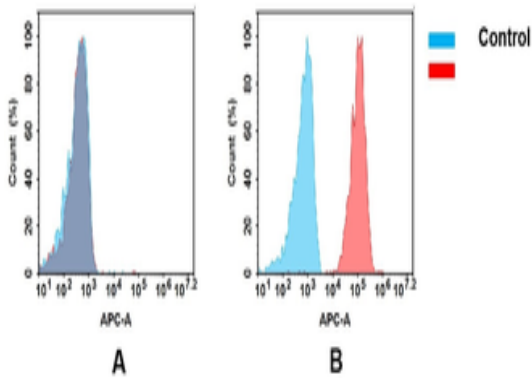
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Flow cytometry analysis of antigen binding of anti-human TFRC mAb (orb1291112). (A) orb1291112 does not bind to CHO-S cells that do not express TFRC. (B) A clear peak shift of orb1291112 was seen compared to the control when incubated with TFRC-expressing Siha cells, indicating strong binding of orb1291112 to TFRC. Antibodies were incubated at 5  $\mu$ g/mL.

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