

Product Datasheet

Trop2 Biosimilar Antibody (orb689328)

Catalog Number	orb689328
Category	Antibodies
Description	Anti-Trop2 (sacituzumab biosimilar) mAb
Target	Trop2
Clonality	Monoclonal
Species/Host	Human Humanized
Isotype	Human IgG1 - kappa
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Powder
Buffer/Preservatives	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.
Reconstitution	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.
Purity	Purified from cell culture supernatant by affinity chromatography
Purification	Purified from cell culture supernatant by affinity chromatography
UniProt ID	P09758
Tested applications	ELISA, FC

Biorbyt Ltd.

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

Email: info@biorbyt.com, 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
United States

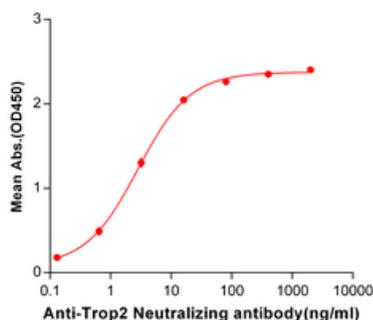
Email: info@biorbyt.com, support@biorbyt.com

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

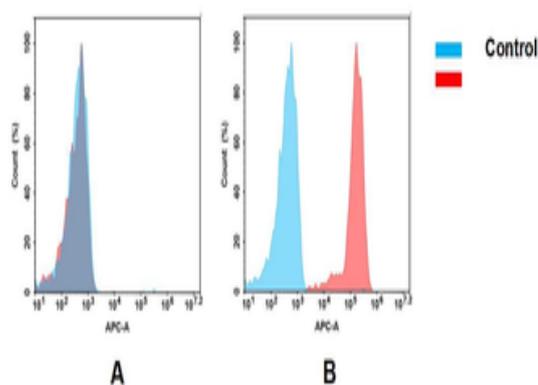
Dilution range	ELISA 1:5000-10000; Flow Cyt 1:100
Antibody Type	Biosimilar Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only

Anti-Trop2 (sacituzumab govitecan biosimilar) mAb ELISA

0.2 µg of Trop2, mFc-His Tagged protein per well



ELISA plate pre-coated by 2 µg/ml (100 µL/well) Human Trop2, mFc-His tagged protein orb689477 can bind Anti-Trop2 Neutralizing antibody in a linear range of 0.13-16.0 ng/ml.



Flow cytometry analysis of antigen binding of anti-human Trop2 mAb (orb689328). (A) orb689328 does not bind to 293T cells that do not express Trop2. (B) A clear peak shift of orb689328 was seen compared to the control when incubated with Trop2-expressing A431 cells, indicating strong binding of orb689328 to Trop2. Antibodies were incubated at 2 µg/mL.

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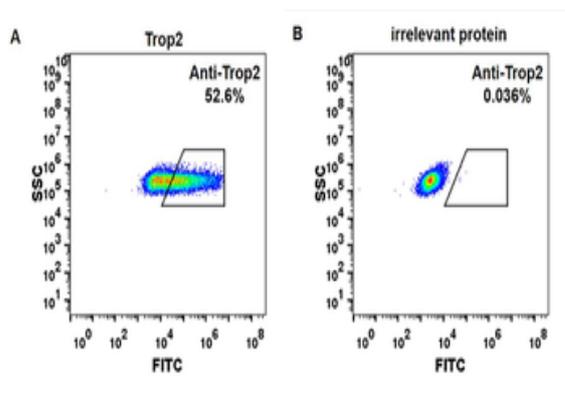
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HEK293 cell line transfected with irrelevant protein (B) and human Trop2 protein (A) were surface stained with anti-Trop2 neutralizing antibody 1 $\mu\text{g/ml}$ (sacituzumab) followed by Alexa 488-conjugated anti-human IgG secondary antibody.

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