

## Product Datasheet

### EGFR Biosimilar Antibody (orb757419)

<b>Catalog Number</b>	orb757419
<b>Category</b>	Antibodies
<b>Description</b>	Anti-EGFR (Cetuximab biosimilar) mAb
<b>Target</b>	EGFR
<b>Clonality</b>	Monoclonal
<b>Species/Host</b>	Chimeric
<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>P00533</b>
<b>Tested applications</b>	ELISA, FC
<b>Dilution range</b>	ELISA 1:5000-10000
<b>Antibody Type</b>	Biosimilar Antibody

**Biorbyt Ltd.**

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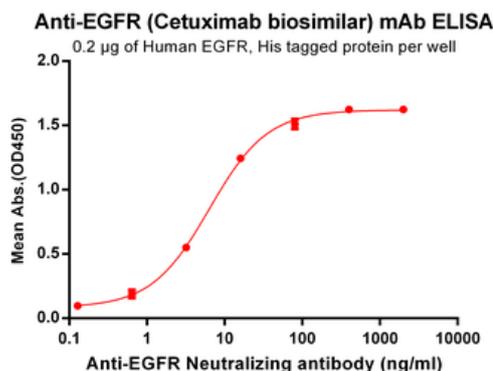
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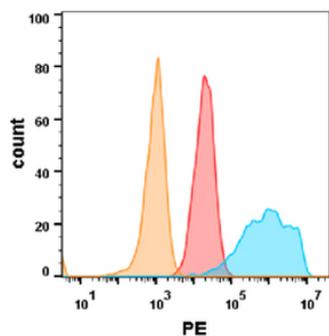
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<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.



ELISA plate pre-coated by 2 µg/ml (100 µL/well) Human EGFR, His tagged protein orb689439 can bind Anti-EGFR Neutralizing antibody in a linear range of 0.64-80 ng/ml.



EGFR protein is highly expressed on the surface of Expi293 cell membrane. Flow cytometry analysis with Anti-EGFR (Cetuximab) on Expi293 cells transfected with human EGFR (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram), and Isotype antibody on Expi293 transfected with irrelevant protein (Orange histogram)

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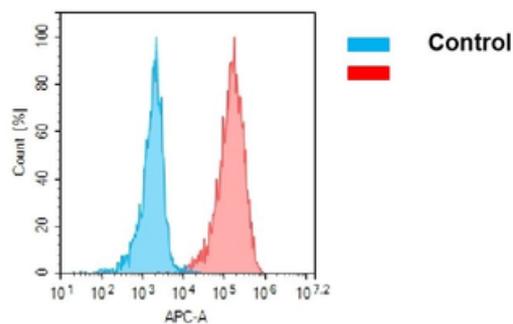
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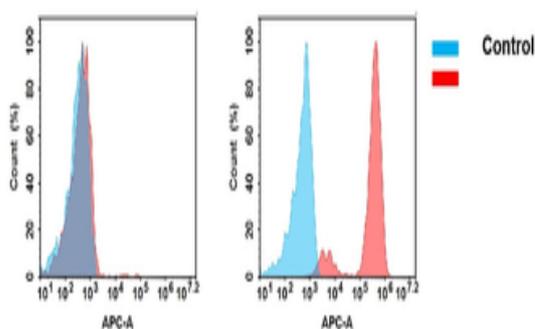
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**A**

Flow cytometry analysis of antigen binding of anti-human EGFR mAb (orb757419). (A) A clear peak shift of orb757419 was seen compared to the control when incubated with EGFR-expressing Hela cells, indicating strong binding of orb757419 to EGFR. Antibodies were incubated at 2  $\mu\text{g}/\text{mL}$ .

**A****B**

Flow cytometry analysis of antigen binding of anti-human EGFR mAb (orb757419). (A) orb757419 does not bind to Jurkat cells that do not express EGFR. (B) A clear peak shift of orb757419 was seen compared to the control when incubated with EGFR-expressing A431 cells, indicating strong binding of orb757419 to EGFR. Antibodies were incubated at 5  $\mu\text{g}/\text{mL}$ .

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