Anti-IGF-1R antibody(DMC721), IgG1 Chimeric mAb

Cat. No. DMC100721

PRODUCT INFORMATION

Clone ID	**Warning**: Undefined variable $hasAttributeValueDescription in **/www/wwwroot/tech.dimabio.cn/wp-content/plugins/woocommerce-print-products/public/class-woocommerce-print-products-public.php** on line **2806** DMC721
Target	IGF-1R
Synonyms	CD221; IGFIR; IGFR; JTK13
Host Species	Rabbit
Description	Anti-IGF-1R antibody(DMC721); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	P08069
IgG type	Rabbit/Human Fc chimeric IgG1
Clonality	Monoclonal
Reactivity	Human
Applications	Flow Cyt
Recommended Dilutions	Flow Cyt 1/100
Purification	Purified from cell culture supernatant by affinity chromatography
Formulation & 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.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, May 2014]
Usage	Research use only
Conjugate	Unconjugated
DIMA Disclaimer	All DIMA recombinant antibodies are genuinely generated by DIMA Biotech. They are all under patent application. Any protein sequencing or reverse engineering attempt is prohibited. We are actively scr

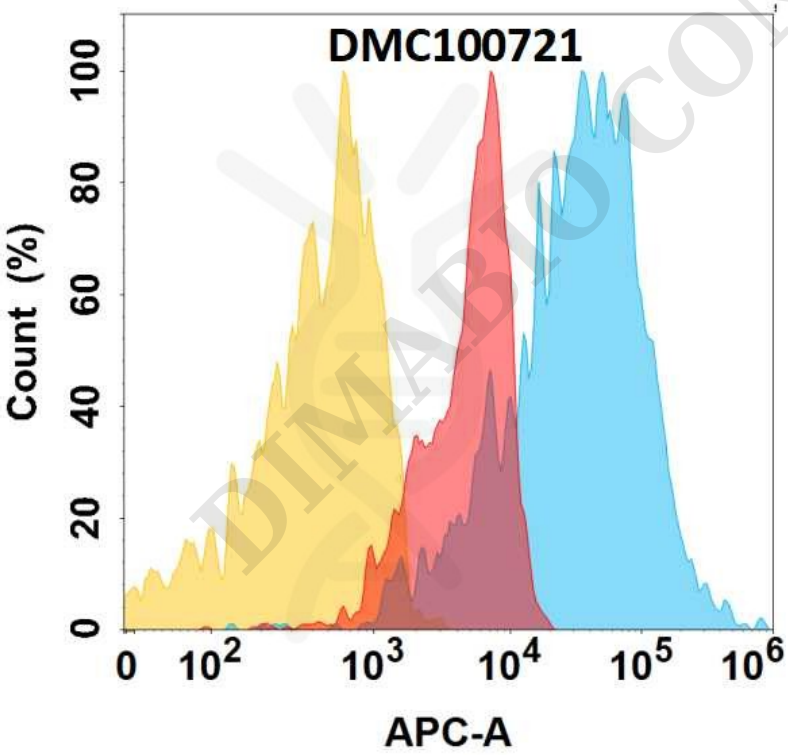


Figure 1. IGF-1R protein is highly expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-IGF-1R (DMC721) mAb on HEK293 cells transfected with human IGF-1R (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein (Orange histogram).

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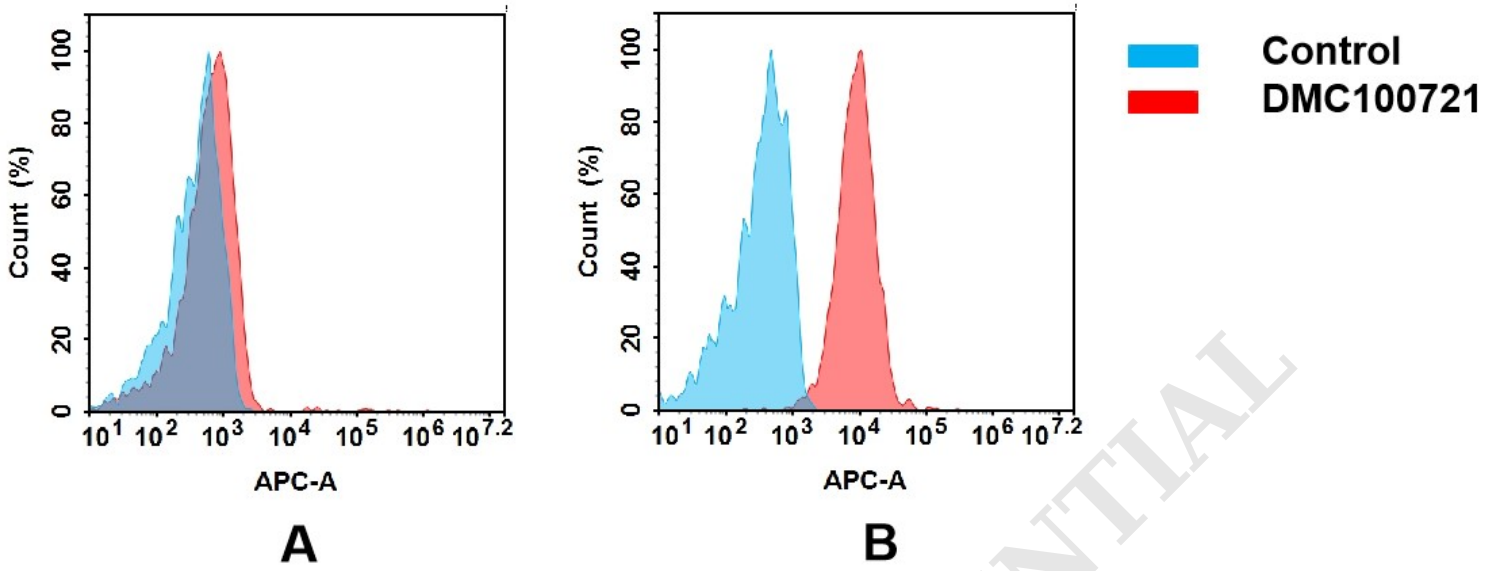


Figure 2. Flow cytometry analysis of antigen binding of anti-human IGF-1R mAb(DMC100721).

(A) DMC100721 does not bind to Jurkat cells that do not express IGF-1R.
(B) A clear peak shift of DMC100721 was seen compared to the control when incubated with IGF-1R-expressing MCF-7 cells, indicating strong binding of DMC100721 to IGF-1R. Antibodies were incubated at 5 μg/mL.

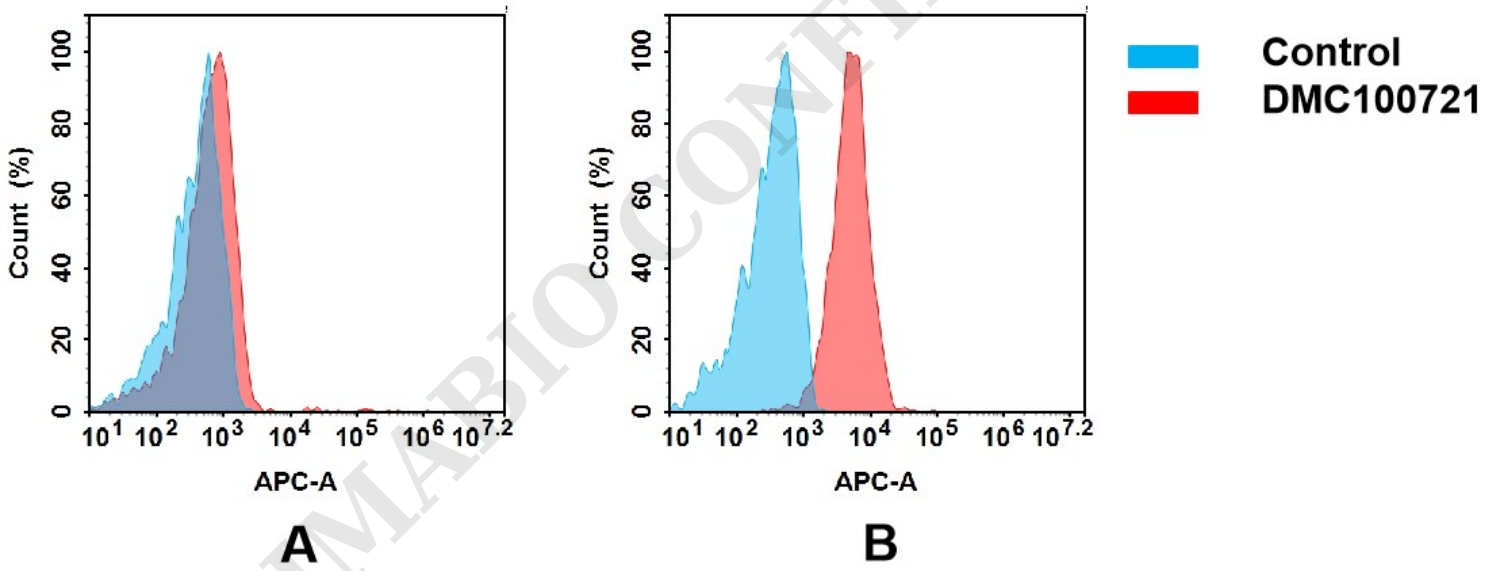


Figure 3. Flow cytometry analysis of antigen binding of anti-human IGF-1R mAb(DMC100721).
(A) DMC100721 does not bind to Jurkat cells that do not express IGF-1R .
(B) A clear peak shift of DMC100721 was seen compared to the control when incubated with IGF-1R-expressing Hela cells, indicating strong binding of DMC100721 to IGF-1R. Antibodies were incubated at 5 μg/mL.

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