PRODUCT INFORMATION

Clone ID	2D2
Target	CD147
Synonyms	Basigin;BSG;5F7;CD147;EMMPRIN;M6;OK;TCSF
Host Species	Rabbit
Description	Anti-CD147 antibody(2D2), IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	P35613
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
Endotoxin	Less than 1.0 EU/μg by the LAL method. For <1 EU/mg requirements, please contact us for customization.
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use.
Background	The protein encoded by this gene, basigin, is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. Basigin is also a member of the immunoglobulin superfamily, ubiquitously expressed in various tissues. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2020]
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

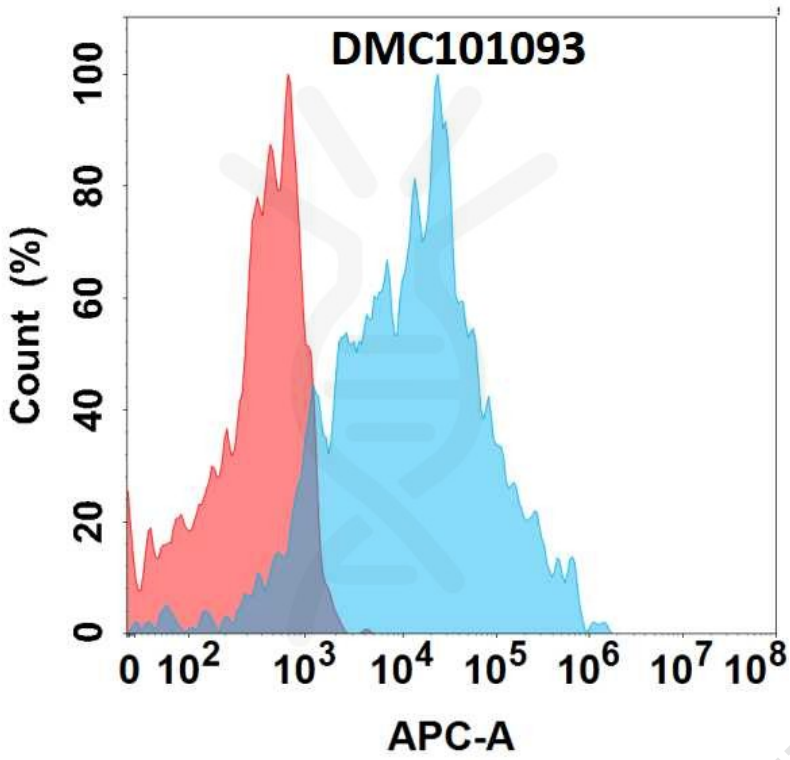

Figure 1. Flow cytometry analysis with 1μg/mL Anti-CD147 (2D2) mAb on HEK293 cells transfected with human CD147 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram).

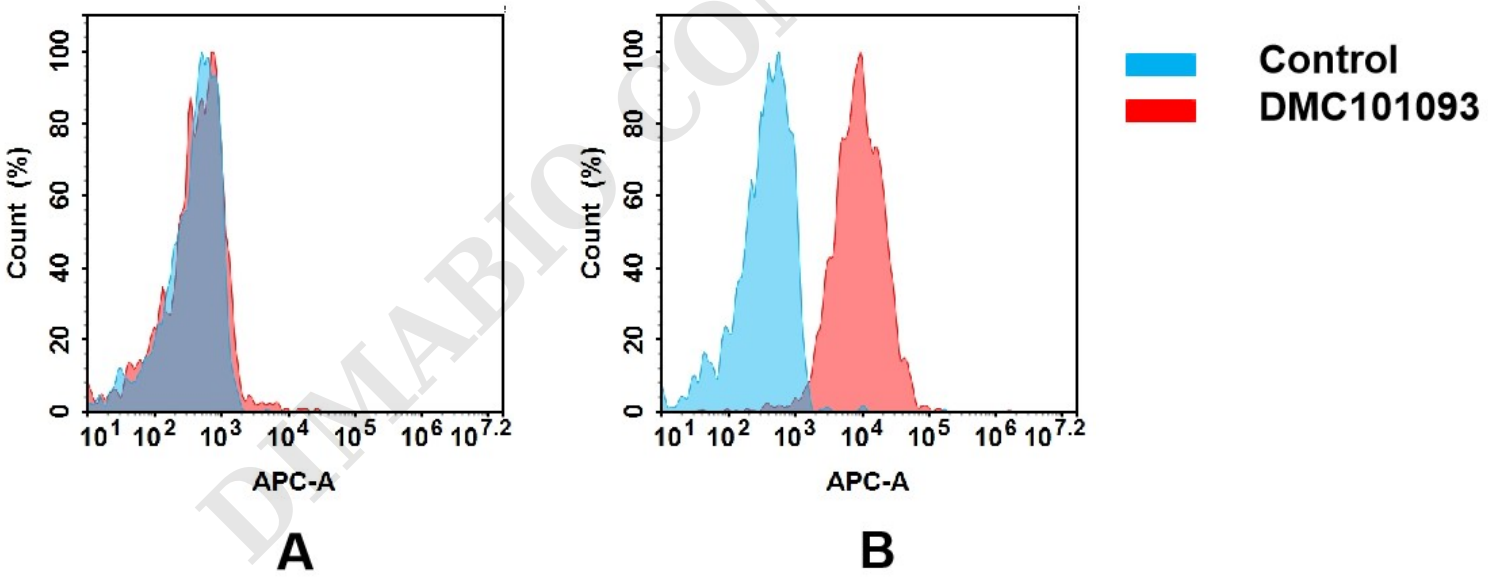

Figure 2. Flow cytometry analysis of antigen binding of anti-human CD147 mAb(DMC101093).
(A) DMC101093 does not bind to CHO-S cells that do not express CD147.
(B) A clear peak shift of DMC101093 was seen compared to the control when incubated with CD147-expressing THP-1 cells, indicating strong binding of DMC101093 to CD147. Antibodies were incubated at 5 μg/ml.