

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
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	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



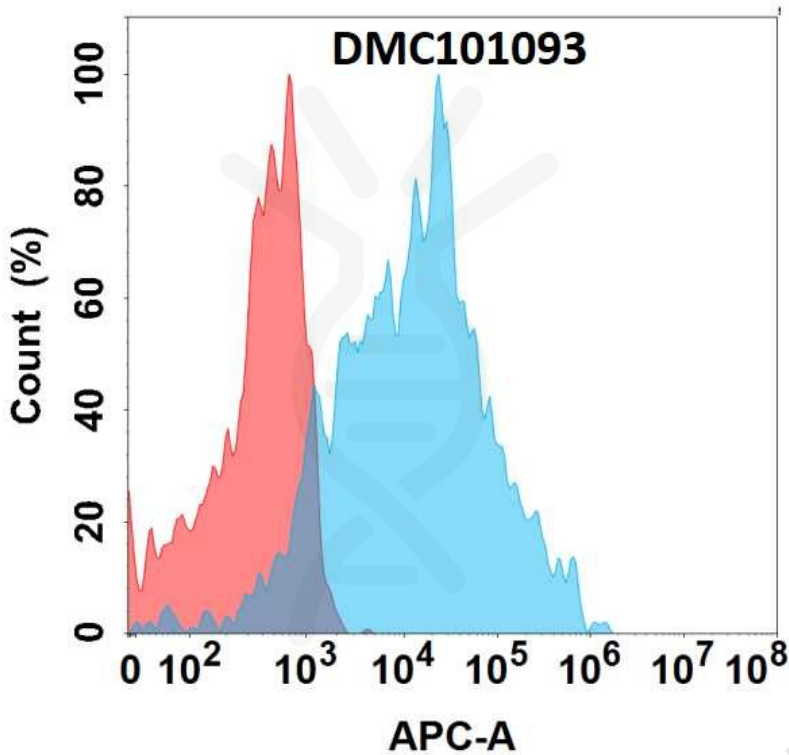


Figure 1. Flow cytometry analysis with 1 μ g/mL Anti-CD147 (2D2) mAb on Expi293 cells transfected with human CD147 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

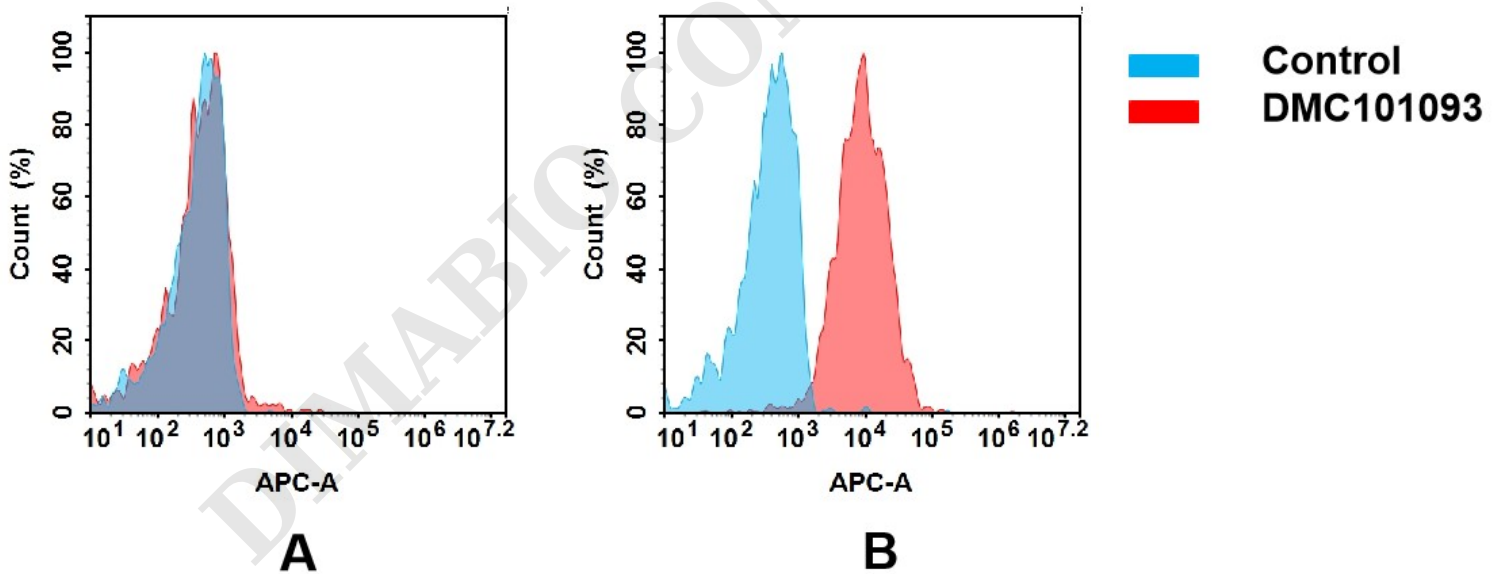


Figure 2. Flow cytometry analysis of antigen binding of anti-human CD147 mAb(DMC101093).
 (A) DMC101093 does not bind to CHO-S cells that do not express CD147.
 (B) A clear peak shift of DMC101093 was seen compared to the control when incubated with CD147-expressing THP-1 cells, indicating strong binding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

