PRODUCT INFORMATION

Clone ID	2H8
Target	CD98
Synonyms	SLC3A2;F2;MDU1;4F2HC;4T2HC;NACAE;CD98HC
Host Species	Rabbit
Description	Anti-CD98 antibody(2H8); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	P08195
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 gene is a member of the solute carrier family and encodes a cell surface, transmembrane protein. The protein exists as the heavy chain of a heterodimer, covalently bound through di-sulfide bonds to one of several possible light chains. The encoded transporter plays a role in regulation of intracellular calcium levels and transports L-type amino acids. Alternatively spliced transcript variants, encoding different isoforms, have been characterized. [provided by RefSeq, Nov 2010]
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 scrutinizing all patent application to ensure no IP infringement.

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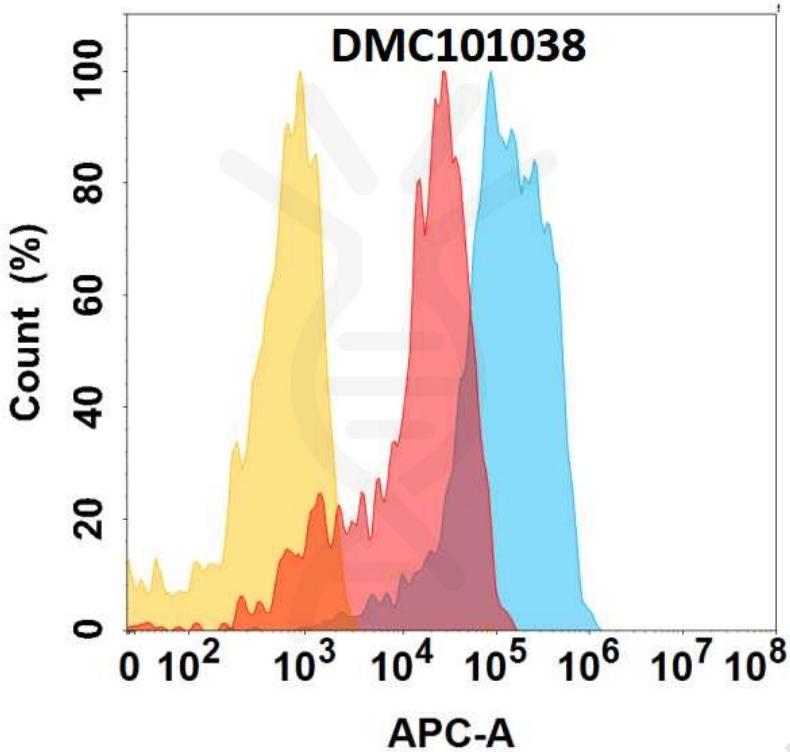

Figure 1. CD98 protein is expressed on the surface of HEK293 cell membrane. Flow cytometry analysis with Anti-CD98 (2H8) mAb on HEK293 cells transfected with human CD98 (Blue histogram) or HEK293 transfected with irrelevant protein (Red histogram), and Isotype antibody on HEK293 transfected with irrelevant protein (Orange histogram).

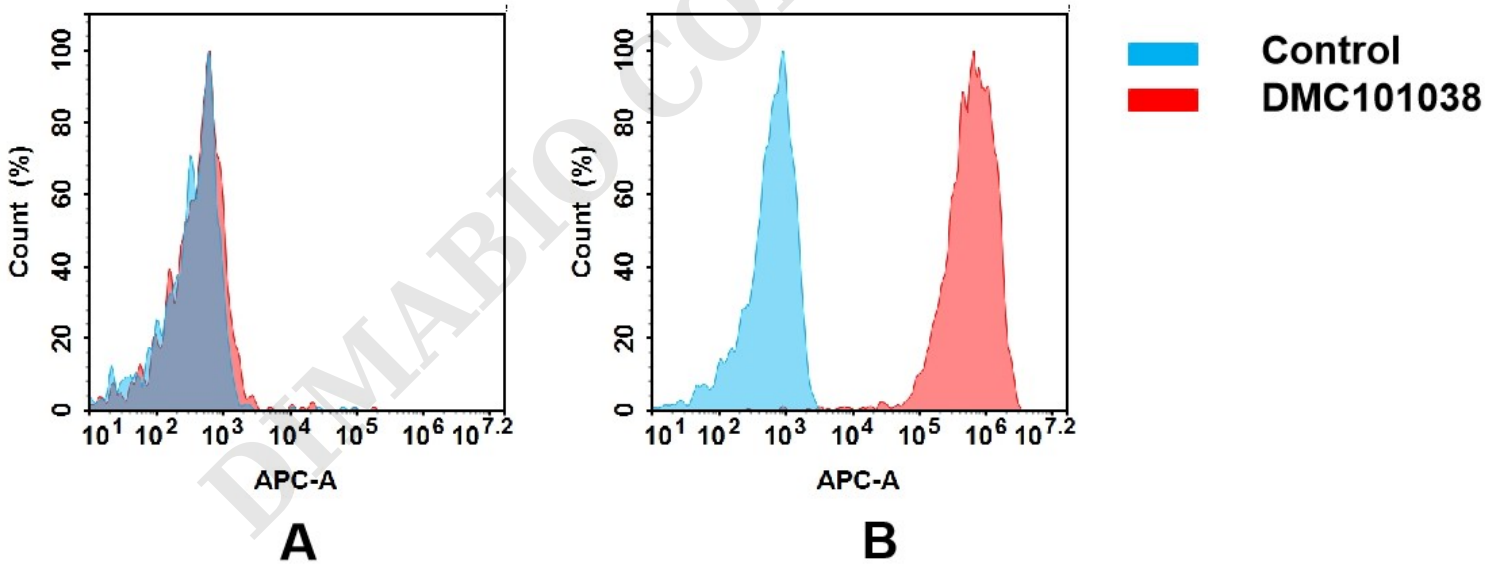

Figure 2. Flow cytometry analysis of antigen binding of anti-human CD98 mAb(DMC101038).
(A) DMC101038 does not bind to CHO-S cells that do not express CD98.
(B) A clear peak shift of DMC101038 was seen compared to the control when incubated with CD98-expressing Hela cells, indicating strong binding of DMC101038 to CD98. Antibodies were incubated at 5 μg/mL.

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