

**PRODUCT INFORMATION**

<b>Clone ID</b>	DMC488
<b>Target</b>	LIV-1
<b>Synonyms</b>	LIV1, SLC39A6, ZIP-6
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-LIV-1 antibody(DMC488); IgG1 Chimeric mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	Q13433
<b>IgG type</b>	Rabbit/Human Fc chimeric IgG1
<b>Clonality</b>	Monoclonal
<b>Reactivity</b>	Human
<b>Applications</b>	Flow Cyt
<b>Recommended Dilutions</b>	Flow Cyt 1/100
<b>Purification</b>	Purified from cell culture supernatant by affinity chromatography
<b>Formulation &amp; 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>Storage &amp; Shipping</b>	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.
<b>Background</b>	Zinc is an essential cofactor for hundreds of enzymes. It is involved in protein, nucleic acid, carbohydrate, and lipid metabolism, as well as in the control of gene transcription, growth, development, and differentiation. SLC39A6 belongs to a subfamily of proteins that show structural characteristics of zinc transporters (Taylor and Nicholson, 2003 [PubMed 12659941]).[supplied by OMIM, Mar 2008]
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated
<b>DIMA Disclaimer</b>	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.



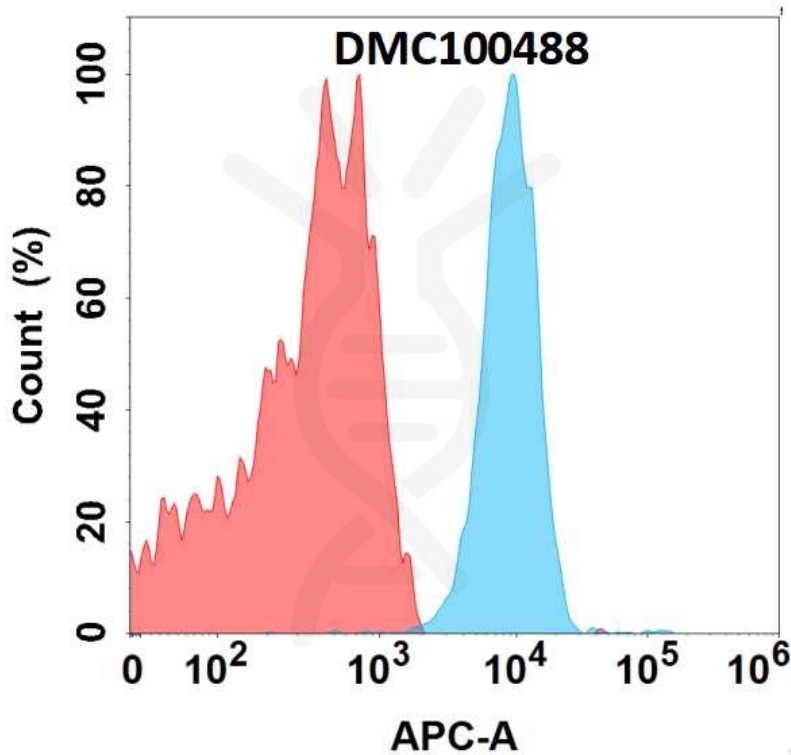


Figure 1. Flow cytometry analysis with 1  $\mu$ g/mL Anti-LIV-1 (DMC488) mAb on RPMI 8226 cell line.

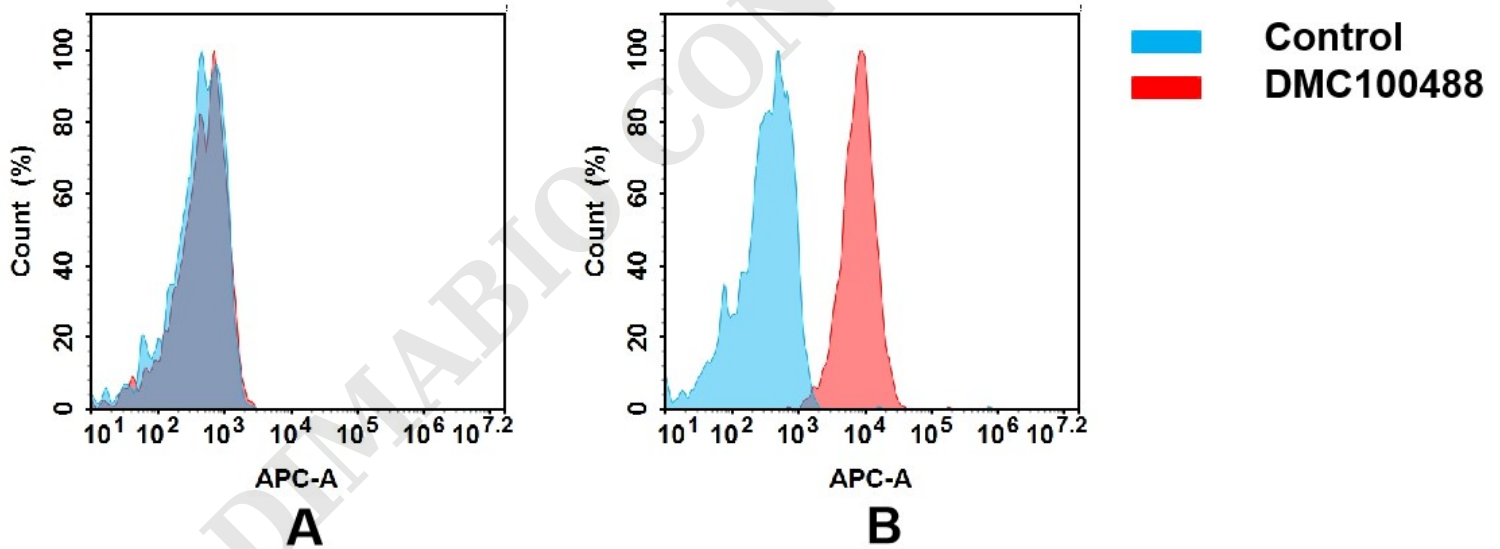


Figure 2. Flow cytometry analysis of antigen binding of anti-human LIV-1 mAb(DMC100488).

(A) DMC100488 does not bind to CHO-S cells that do not express LIV-1.

(B) A clear peak shift of DMC100488 was seen compared to the control when incubated with LIV-1-expressing Raji cells, indicating strong binding of DMC100488 to LIV-1. Antibodies were incubated at 5  $\mu$ g/mL.

