

**PRODUCT INFORMATION**

<b>Clone ID</b>	1B8
<b>Target</b>	GPC1
<b>Synonyms</b>	Glypican 1;PC1
<b>Host Species</b>	Rabbit
<b>Description</b>	Anti-GPC1 antibody(1B8); IgG1 Chimeric mAb
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	P35052
<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>	Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. [provided by RefSeq, Jul 2008]
<b>Usage</b>	Research use only



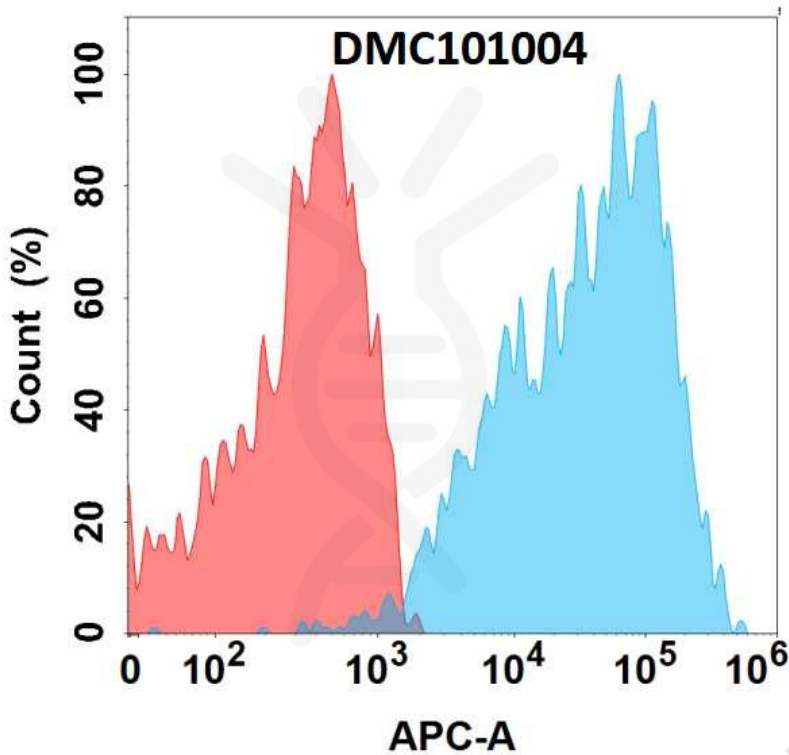


Figure 1. Flow cytometry analysis with Anti-GPC1 (1B8) mAb on Expi293 cells transfected with human GPC1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

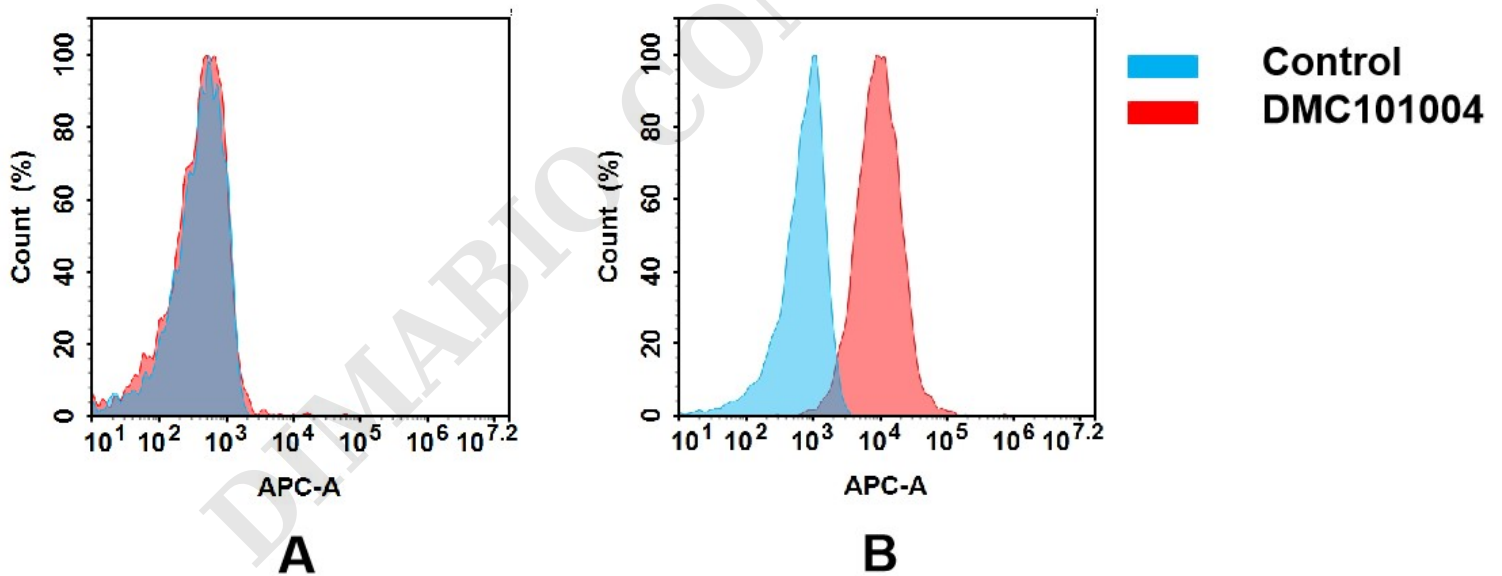


Figure 2. Flow cytometry analysis of antigen binding of anti-human GPC1 mAb(DMC101004).

(A) DMC101004 does not bind to Jurkat cells that do not express GPC1.

(B) A clear peak shift of DMC101004 was seen compared to the control when incubated with GPC1-expressing 8226 cells, indicating strong binding of DMC101004 to GPC1. Antibodies were incubated at 10 µg/mL.

