

PRODUCT INFORMATION

Clone ID	1B8
Target	GPC1
Synonyms	Glypican 1;PC1
Host Species	Rabbit
Description	Anti-GPC1 antibody(1B8); IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	P35052
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	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]
Usage	Research use only
Conjugate	Unconjugated



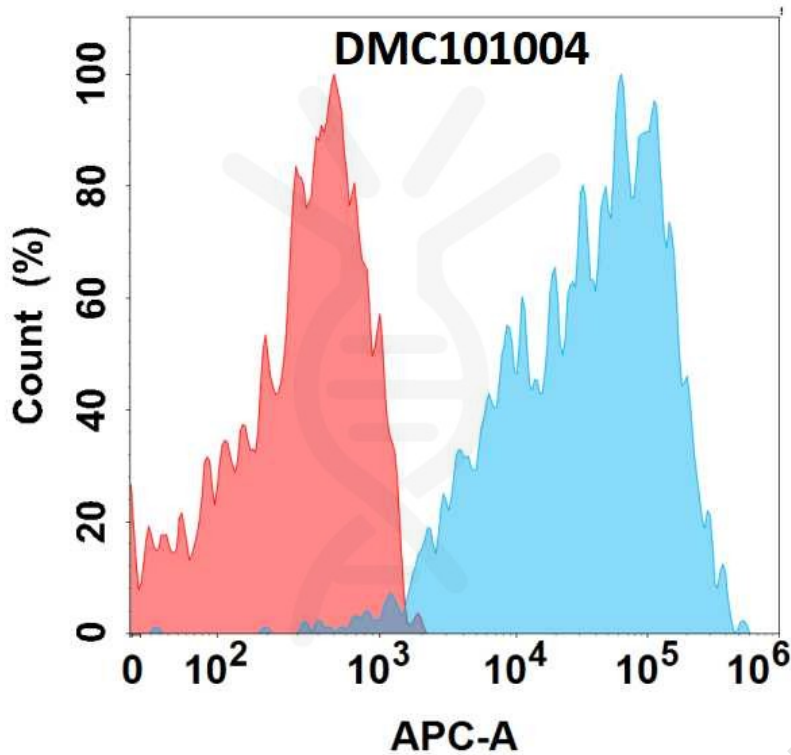


Figure 1. Flow cytometry analysis with Anti-GPC1 (1B8) mAb on Expi293 cells transfected with human GPC1 (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

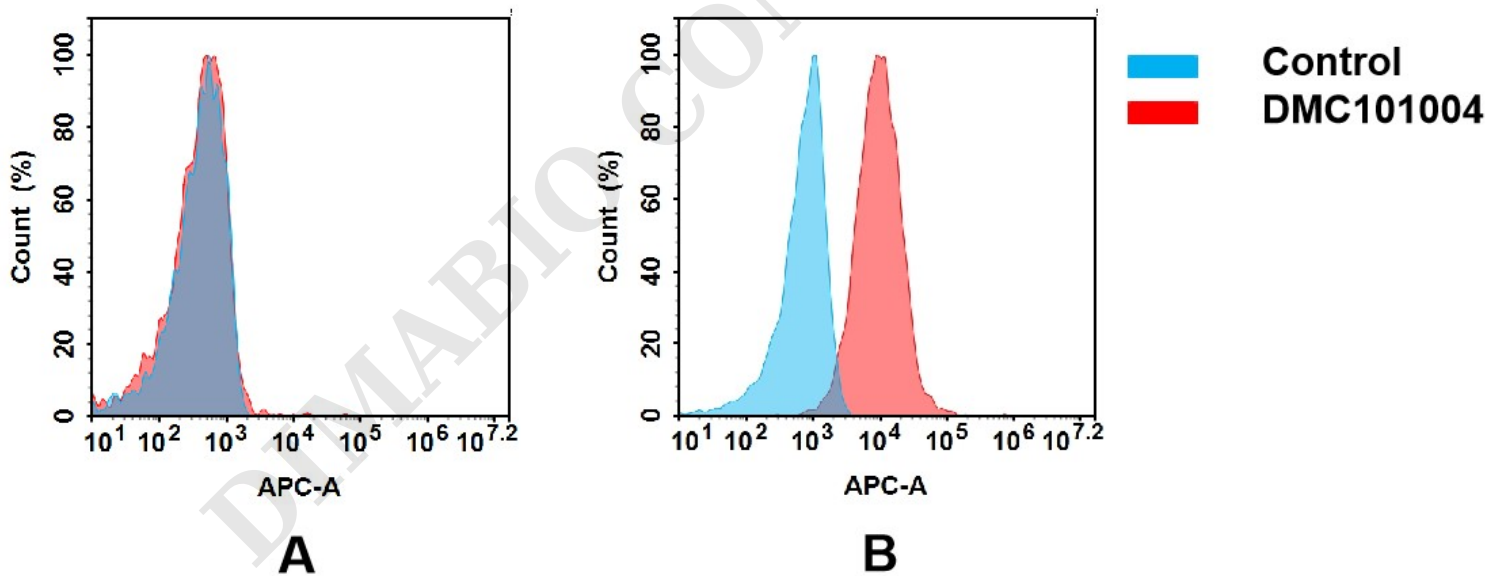


Figure 2. Flow cytometry analysis of antigen binding of anti-human GPC1 mAb(DMC101004).

(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.

