

PRODUCT INFORMATION

Clone ID	11G4
Target	GPNMB
Synonyms	HGFIN;NMB;PLCA3
Host Species	Rabbit
Description	Anti-GPNMB antibody(11G4), IgG1 Chimeric mAb
Delivery	In Stock
Uniprot ID	Q14956
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 is a type I transmembrane glycoprotein which shows homology to the pMEL17 precursor, a melanocyte-specific protein. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB may be involved in growth delay and reduction of metastatic potential. Two transcript variants encoding different isoforms have been found for this gene.
Usage	Research use only
Conjugate	Unconjugated



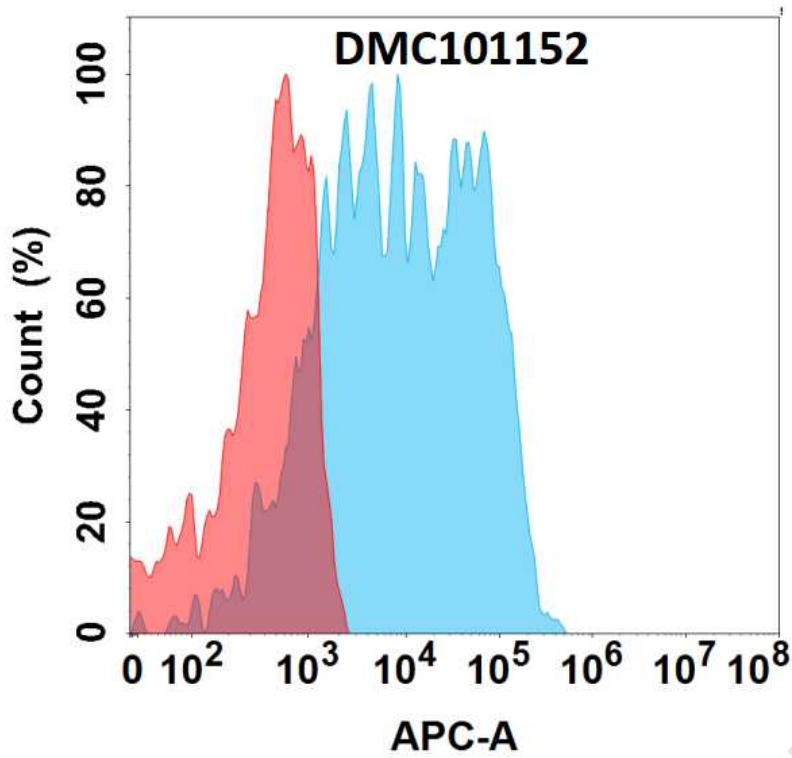


Figure 1. Flow cytometry analysis with 1µg/mL Anti-GPNMB (11G4) mAb on Expi293 cells transfected with human GPNMB (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).

