PRODUCT INFORMATION

Target	GPNMB
Synonyms	HGFIN;NMB;PLCA3
Description	Recombinant Human GPNMB Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	Q14956
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	GPNMB(Lys23-Met496) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 53.9 kDa after removal of the signal peptide. The apparent molecular mass of GPNMB-His is approximately 70-130 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
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. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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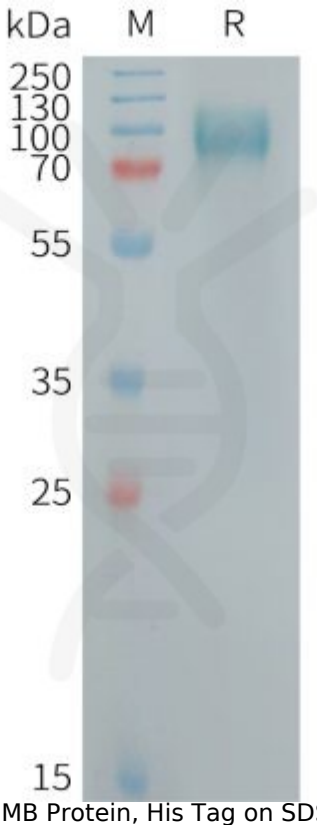


Figure 1.Human GPNMB Protein, His Tag on SDS-PAGE under reducing condition.

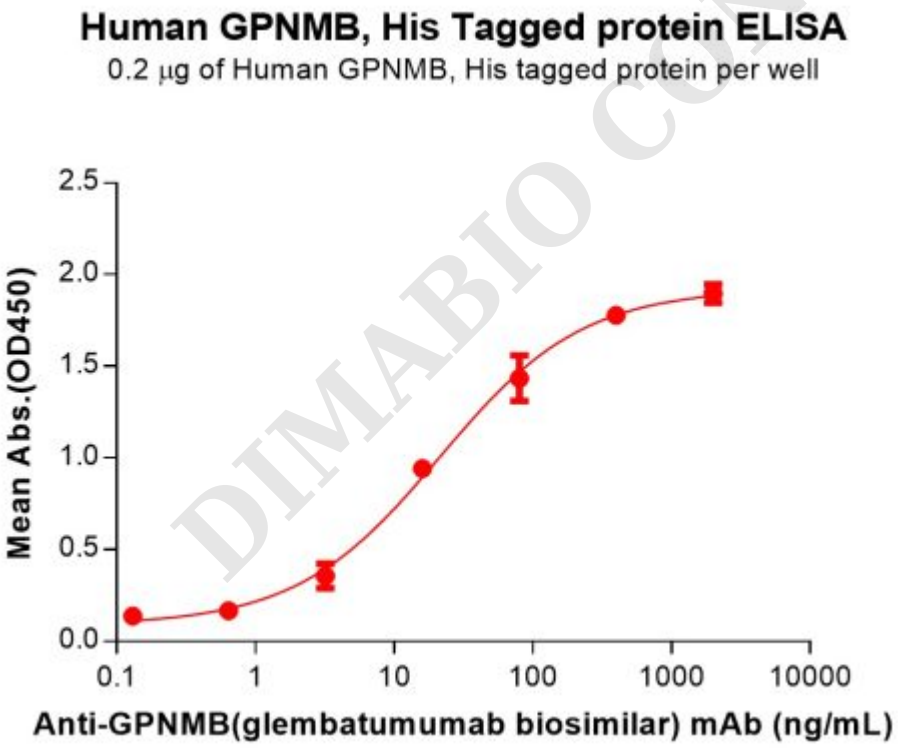


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human GPNMB Protein, His Tag (PME101255) can bind Anti-GPNMB(glembatumumab biosimilar) mAb (BME100194) in a linear range of 3.20–80 ng/mL.

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