

Anti-GPNMB Reference Antibody (glembatumumab)

Recombinant Antibody

Catalog # APR10603

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	Q14956
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	63923

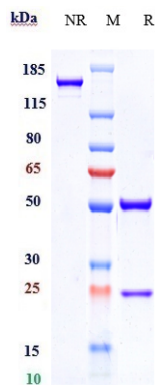
Additional Information

Target/Specificity	GPNMB
Endotoxin	
Conjugation	Unconjugated
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

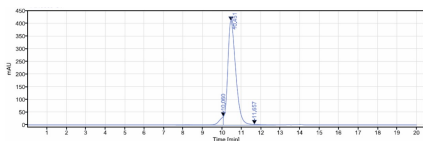
Protein Information

Name	GPNMB
Synonyms	HGFN {ECO:0000303 PubMed:12609765}, NMB
Function	Could be a melanogenic enzyme.
Cellular Location	Cell membrane; Single-pass type I membrane protein Melanosome membrane; Single-pass type I membrane protein. Early endosome membrane; Single-pass type I membrane protein. Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV
Tissue Location	Widely expressed, but very low expression, if any, in the brain (PubMed:12609765, PubMed:16609006). Expressed in the epidermis with higher levels in melanocytes compared with keratinocytes and Langerhans cells (at protein level) (PubMed:29336782). Expressed in peripheral blood, but not bone marrow mononuclear cells (PubMed:12609765). Expressed in tissue macrophages, including liver Kuppfer cells and lung alveolar macrophages, in podocytes and in some cells of the ciliary body of the eye (at protein level) (PubMed:16489096). May be overexpressed in various cancers, including melanoma and glioblastoma multiforme (PubMed:16489096, PubMed:16609006, PubMed:7814155).

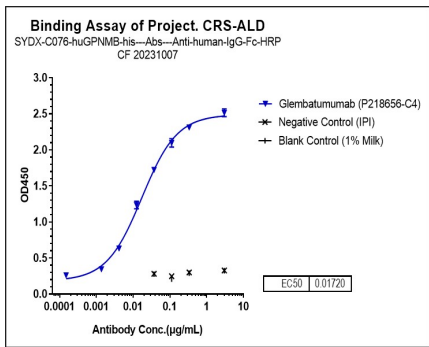
Images



Anti-GPNMB Reference Antibody (glembatumumab) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 90%.



The purity of Anti-GPNMB Reference Antibody (glembatumumab) is more than 95%, determined by SEC-HPLC.



Immobilized human GPNMB his at 2 ug/mL can bind Anti-GPNMB Reference Antibody (glembatumumab) , EC50=0.01720 ug/mL.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.