

Anti-GPNMB Reference Antibody (glembatumumab vedotin)

Recombinant Antibody
Catalog # APR10618

Product Information

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

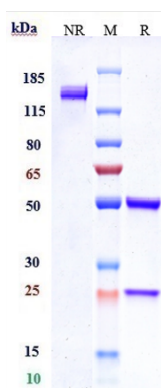
Additional Information

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

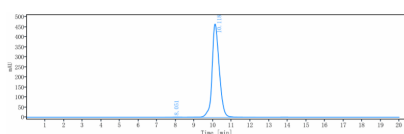
Protein Information

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 Kupffer 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

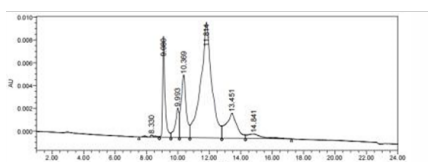
Images



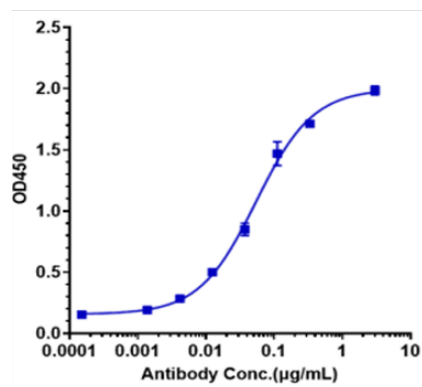
Anti-GPNMB Reference Antibody (Glebatumumab vedotin) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-GPNMB Reference Antibody (Glebatumumab vedotin) is 99.7%, determined by SEC-HPLC.



The drug-to-antibody ratio (DAR) of the Anti-GPNMB Reference Antibody (glebatumumab vedotin) is 3.6.



Immobilized human GPNMB His at 2 ug/mL can bind Anti-GPNMB Reference Antibody (Glebatumumab vedotin), EC50 is 0.05407 ug/mL.

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