

**Anti-GPNMB Reference Antibody (glembatumumab vedotin)  
Recombinant Antibody  
Catalog # APR10618**

**Specification**

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**Anti-GPNMB Reference Antibody (glembatumumab vedotin) - Product Information**

Application	FC, E, FTA
Primary Accession	<a href="#">Q14956</a>
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG2SA
Calculated MW	145.56 KDa

**Anti-GPNMB Reference Antibody (glembatumumab vedotin) - Additional Information**

**Target/Specificity**  
GPNMB

**Endotoxin**  
< 0.001EU/ µg, determined by LAL method.

**Conjugation**  
MMAE

**Expression system**  
CHO Cell

**Format**  
Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

**Anti-GPNMB Reference Antibody (glembatumumab vedotin) - Protein Information**

**Name** GPNMB

**Synonyms** HGFIN {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

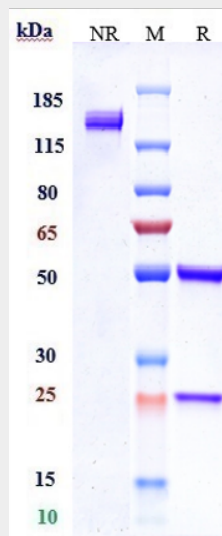
keratinocytes and Langerhans cells (at protein level) (PubMed:29336782). Expressed in peripheral blood, but not bone marrow mononuclear cells (PubMed:12609765). Expressed in tissue macrophages, including liver Kupffer cells and lung alveolar macrophages, in podocytes and in some cells of the ciliary body of the eye (at protein level) (PubMed:16489096). May be overexpressed in various cancers, including melanoma and glioblastoma multiforme (PubMed:16489096, PubMed:16609006, PubMed:7814155).

### Anti-GPNMB Reference Antibody (glebatumumab vedotin) - Protocols

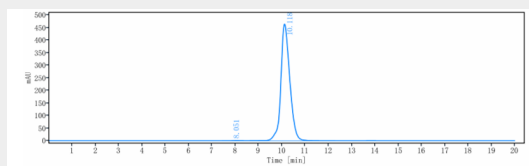
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

### Anti-GPNMB Reference Antibody (glebatumumab vedotin) - Images



Anti-GPNMB Reference Antibody (glebatumumab vedotin) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



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