

Recombinant Anti-GPNMB Antibody (V3S-0622-YC3344)

Cat. No.: V3S-0622-YC3344

Summary

Description	This product is a human monoclonal antibody that reacts with GPNMB. The antibody is expressed with mammalian cell transient expression system, serum-free and purified by affinity chromatography. The purity and integrity are tested via SDS-PAGE and SEC-HPLC analysis. Given an antigen, additional QC measures are also desired such as affinity testing and binding validation. Specifically, the antibody is provided in multiple formats for in vivo and in vitro assays. The <i>In vivo</i> version features greater than 95% purity, ultra-low endotoxin levels (<1 EU/mg or 0.1 EU/mg), and is preservative, stabilizer, and carrier protein-free.
Clonality	Monoclonal
Host Species	Human
Target Species	Human
Isotype	IgG
Isotype Control	C34555
Secondary Antibody	C32400; C75370; C10513; C51635; C45530

Property

Expression Species	HEK293F or CHO
Conjugation	None
Purity	>95%, determined by SDS-PAGE and/or SEC-HPLC
Endotoxin	<1 EU/mg, determined by LAL method
Purification	Protein A affinity purified
Sterility	0.2 µM filtered
Formulation	PBS, pH 7.4
Preservation	No preservatives
Stabilizer	No stabilizers
Storage	Store at 4°C within a week. For longer storage, aliquot and store at -20°C.

Applications

For lab research use only, not for diagnostic, therapeutic or any *in vivo* human use.

Application	ELISA
Application Notes	The antibody is recommended for detection of GPNMB by ELISA assay.

Target

Target	GPNMB
Alternative Name	Glycoprotein Nmb; Glycoprotein Nmb-Like Protein; Osteoactivin; HGFIN; NMB
Gene ID	10457
UniProt	Q14956
Introduction	Transmembrane glycoprotein NMB is a protein that in humans is encoded by the GPNMB gene. Two transcript variants encoding 560 and 572 amino acid isoforms have been characterized for this gene in humans. GPNMB is a type I transmembrane glycoprotein which shows homology to the pmel17 precursor, a melanocyte-specific protein.
Research Area	Immunology; Cancer Research

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