

GPNMB Conjugated Antibody

Catalog No: #C48438

Package Size: #C48438-AF350 100ul #C48438-AF405 100ul #C48438-AF488 100ul

#C48438-AF555 100ul #C48438-AF594 100ul #C48438-AF647 100ul

#C48438-AF680 100ul #C48438-AF750 100ul #C48438-Biotin 100ul

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Description

Product Name	GPNMB Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Glycoprotein (transmembrane) nmb antibody Glycoprotein nmb antibody Glycoprotein nmb like protein antibody Gpnmb antibody GPNMB_HUMAN antibody HGFIN antibody NMB antibody Osteoactivin antibody Transmembrane glycoprotein antibody Transmembrane glycoprotein HGFIN antibody Transmembrane glycoprotein NMB antibody
Accession No.	Swiss-Prot#:Q14956
Uniprot	Q14956
GeneID	10457;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	64 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Transmembrane glycoprotein NMB (GPNMB), also designated hematopoietic growth factor inducible neurokinin-1 (HGFIN), is a single-pass type I membrane protein. Belonging to the Pmel-17/NMB family of proteins, GPNMB acts as a melanogenic enzyme. GPNMB expression is not restricted to cells of melanocytic lineage and is highest in poorly metastatic melanoma cell lines. There is no expression of GPNMB in highly metastatic melanoma cell lines. GPNMB may play an important role in lymphohematopoietic stem cell maturation.

Note: This product is for in vitro research use only