

For Research Use Only

CoraLite® Plus 488-conjugated GPNMB Monoclonal antibody

Catalog Number: CL488-66926



Basic Information

Catalog Number: CL488-66926	GenBank Accession Number: BC011595	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10457	CloneNo.: 2B10B8
Source: Mouse	UNIPROT ID: Q14956	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: glycoprotein (transmembrane) nmb	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG26747	Calculated MW: 64 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HeLa cells,
Species Specificity: Human, mouse, rat	

Background Information

GPNMB also known as HGFIN, osteoactivin, and DC-HIL, is a type I membrane glycoprotein involved in various biological processes, including inflammation, invasion and metastasis of malignant tumors, cell differentiation, and tissue regeneration. GPNMB shows expression in the lowly metastatic human melanoma cell lines and xenografts but does not show expression in the highly metastatic cell lines. GPNMB acts as an osteogenic factor that stimulates osteoblast differentiation in vivo and in vitro.

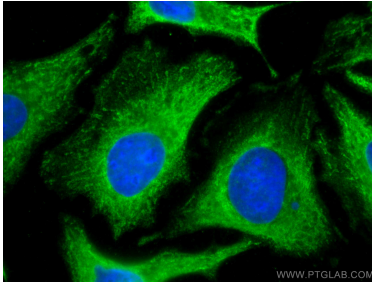
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Coralite® Plus 488 GPNMB antibody (CL488-66926, Clone: 2B10B8) at dilution of 1:100.