

CoraLite®594-conjugated GPNMB Monoclonal antibody

Catalog Number: **CL594-66926**

Basic Information

Catalog Number: CL594-66926	GenBank Accession Number: BC011595	Purification Method: Protein G purification
Size: 1000 µg/ml	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: 588 nm / 604 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	

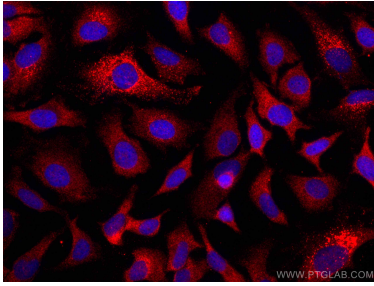
Background Information

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.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite®594 GPNMB antibody (CL594-66926, Clone: 2B10B8) at dilution of 1:200.