

For Research Use Only

CoraLite® Plus 488-conjugated MGP Monoclonal antibody



Catalog Number: CL488-60055

Basic Information

Catalog Number: CL488-60055	GenBank Accession Number: BC005272	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4256	CloneNo.: 1A1C3
Source: Mouse	Full Name: matrix Gla protein	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Calculated MW: 103 aa, 13 kDa	
Immunogen Catalog Number: AG1091	Observed MW: 12 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : MDA-MB-231 cells,
Species Specificity: human, mouse	

Background Information

Matrix Gla protein (MGP) is a vitamin K-dependent, extracellular matrix protein. MGP plays a pivotal role in preventing soft tissue calcification and local mineralization of the vascular wall. Vitamin K deficiency leads to inactive uncarboxylated MGP (ucMGP), which accumulates at sites of arterial calcification. However MGP is synthesized in many tissues and is especially enriched in embryonic tissues and in cancer cells. Defects in MGP are the cause of Keutel syndrome (KS), which is an autosomal recessive disorder characterized by abnormal cartilage calcification, peripheral pulmonary stenosis neural hearing loss and midfacial hypoplasia.

Storage

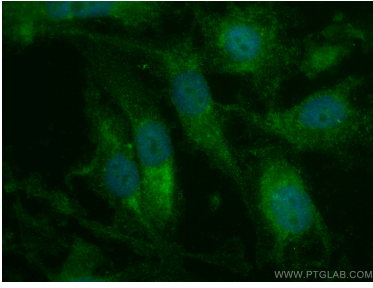
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1%BSA**

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)
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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 (4% PFA) fixed MDA-MB-231 cells using CoraLite® Plus 488 MGP antibody (CL488-60055, Clone: 1A1C3) at dilution of 1:200.