

For Research Use Only

CoraLite® Plus 488-conjugated MYO1G Recombinant antibody

Catalog Number: CL488-83556-5



Basic Information

Catalog Number: CL488-83556-5	GenBank Accession Number: BC113544	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 64005	CloneNo.: 240503E1
Source: Rabbit	UNIPROT ID: B0I1T2	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG	Full Name: myosin IG	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG22698	Calculated MW: 1018 aa, 116 kDa	
	Observed MW: 110-120 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : Jurkat cells,
Species Specificity: human	

Background Information

MYO1G is a plasma membrane-associated class I myosin that is abundant in T and B lymphocytes and mast cells and expressed specifically in the haematopoietic system. Class I myosins have been implicated in various cellular processes relying on actin-dependent membrane dynamics such as endocytosis, secretion, adhesion, motility and regulation of mechanosensitive channels (PMID: 19968988). MYO1G localizes to the plasma membrane linked to PIP2 and PIP3, is particularly enriched at cell-surface microvilli, and associates in an ATP-releasable manner to the actin cytoskeleton (PMID: 24310084). MYO1G can be detected as about 110-120 kDa.

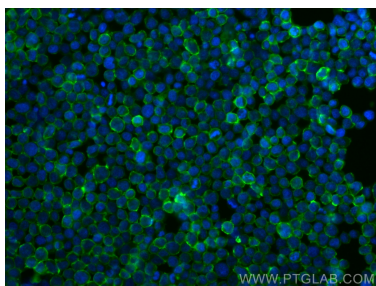
Storage

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)
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 488 MYO1G antibody (CL488-83556-5, Clone: 240503E1) at dilution of 1:200.