

For Research Use Only

# CoraLite®594-conjugated FXYP1 Monoclonal antibody

Catalog Number:CL594-67150



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL594-67150	BC032800	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 ug/ml by Nanodrop;	5348	2C10G9
Source:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
Mouse	O00168	588 nm / 604 nm
Isotype:	Full Name:	
IgG2a	FXYP domain containing ion transport regulator 1	
Immunogen Catalog Number:	Calculated MW:	
AG25307	92 aa, 10 kDa	
	Observed MW:	
	15 kDa	

## Applications

Tested Applications:  
FC (Intra)  
Species Specificity:  
Human, Pig, mouse

## Background Information

FXYP1, also named as PLM and Phospholemman, belongs to the FXYP family. FXYP1 induces a hyperpolarization-activated chloride current when expressed in *Xenopus* oocytes. It may have a functional role in muscle contraction. FXYP1 is a partner protein and regulator of the Na<sup>+</sup>,K<sup>+</sup>-ATPase (Na<sup>+</sup>,K<sup>+</sup>-pump). It may play a role in the acute regulation of the Na<sup>+</sup>,K<sup>+</sup>-ATPase response to exercise. (PMID: 20595385, 21653224)

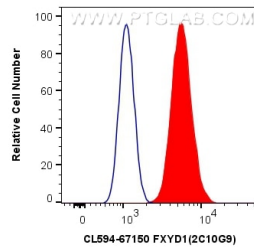
## Storage

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:  
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## Selected Validation Data



1X10<sup>6</sup> C2C12 cells were intracellularly stained with 0.8 ug CoraLite® 594 Anti-Human FXYD1 (CL594-67150, Clone:2C10G9) (red), or 0.8 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).