

For Research Use Only

# CoraLite® Plus 488-conjugated SERCA2,ATP2A2 Monoclonal antibody

Catalog Number:CL488-67248



## Basic Information

Catalog Number:

CL488-67248

Size:

100ul , Concentration: 1000 µg/ml by  
Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5052

GenBank Accession Number:

BC035588

GeneID (NCBI):

488

UNIPROT ID:

P16615

Full Name:

ATPase, Ca<sup>++</sup> transporting, cardiac  
muscle, slow twitch 2

Calculated MW:

1042 aa, 115 kDa

Observed MW:

120 kDa

Purification Method:

Protein G purification

CloneNo.:

1F11A11

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

Species Specificity:

human, mouse, rat

## Background Information

ATP2A2, also known as SERCA2 (Sarco/endoplasmic reticulum-type calcium transport ATPase 2), is a 110 kDa magnesium-dependent enzyme catalyzing the hydrolysis of ATP coupled with the translocation of calcium from the cytosol to the sarcoplasmic reticulum lumen. Human SERCA2 gene gives rise to several alternatively spliced isoforms: SERCA2a, SERCA2b and SERCA2c. SERCA2a and SERCA2c are mainly expressed in cardiac muscle, while SERCA2b is ubiquitously expressed in all cell types.

## 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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in USA), or 1(312) 455-8498 (outside USA)

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