

For Research Use Only

CoraLite® Plus 488-conjugated Cytochrome c Monoclonal antibody

Catalog Number: CL488-66264

Featured Product



Basic Information

Catalog Number:

CL488-66264

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG24349

GenBank Accession Number:

BC009578

GeneID (NCBI):

54205

UNIPROT ID:

P99999

Full Name:

cytochrome c, somatic

Calculated MW:

12 kDa

Purification Method:

Protein A purification

CloneNo.:

2D8D11

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : A431 cells,

Background Information

Cytochrome c is a 12-15 kDa electron transporting protein located in the inner mitochondrial membrane. Upon apoptotic stimulation, cytochrome c can be released from mitochondria into cytoplasm, resulting in caspase-3 activation and apoptosis. Measurement of cytochrome c release from the mitochondria is useful for detection of the onset of apoptosis in cells. In addition, cytochrome c can also leave cells and be detectable in extra-cellular medium of apoptotic cells and serum of cancer patients. The level of serum cytochrome c may serve as a prognostic maker during cancer therapy.

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

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

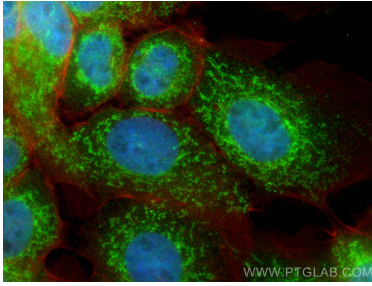
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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 A431 cells using CoraLite® Plus 488 Cytochrome c antibody (CL488-66264, Clone: 2D8D11) at dilution of 1:200, CL594-Phalloidin (red).