

CoraLite® Plus 488-conjugated Cytochrome c Monoclonal antibody

Catalog Number: **CL488-66264**

Basic Information

Catalog Number: CL488-66264	GenBank Accession Number: BC009578	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 54205	CloneNo.: 2D8D11
Source: Mouse	UNIPROT ID: P99999	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2a	Full Name: cytochrome c, somatic	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Immunogen Catalog Number: AG24349	Calculated MW: 12 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF : HepG2 cells,
Species Specificity: human, mouse, rat	

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, pH 7.3.
Aliquoting is unnecessary for -20°C storage

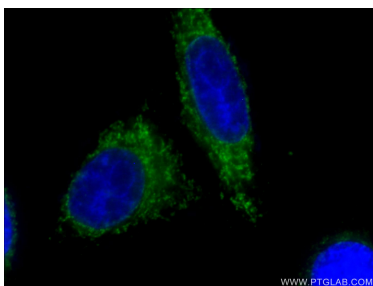
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CL488-66264 (Cytochrome c antibody) at dilution of 1:50.