

Cytochrome c Monoclonal Antibody(Capture/Detector)

catalog number: **AN001800P**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

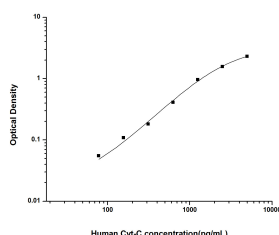
Description

Reactivity	Human
Immunogen	Recombinant Human Cytochrome c protein expressed by E.coli
Host	Rat
Isotype	Rat IgG2a
Clone	5C2
Purification	Protein A/G Purification
Buffer	Phosphate buffered solution, pH 7.2, containing 0.05% Proclin300.

Applications

ELISA Capture	2-8 µg/mL
ELISA Detector	0.1-0.4 µg/mL

Data



Sandwich ELISA-Recombinant Human Cytochrome c protein standard curve. Background subtracted standard curve using Cytochrome c Monoclonal Antibody(Capture/Detector) antibody(AN001800P)(Capture), Cytochrome c Monoclonal Antibody(Capture/Detector) antibody(AN001800P) (Detector) in sandwich ELISA. The reference range value for Recombinant Human Cytochrome c protein is 78.13-5000 pg/mL.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

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 marker during cancer therapy.

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