

## Cytochrome c Monoclonal Antibody(Capture/Detector)

catalog number: AN001800P

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

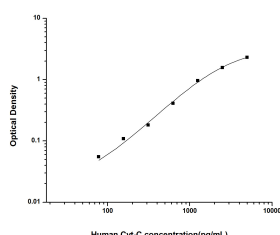
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human Cytochrome c protein expressed by E.coli
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2a
<b>Clone</b>	5C2
<b>Purification</b>	Protein A/G Purification
<b>Conjugation</b>	Unconjugated
<b>Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

### Applications Recommended Dilution

<b>ELISA Capture</b>	2-8 µg/mL
<b>ELISA Detector</b>	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

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	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.

### For Research Use Only