

AP00111CP-N**m-Cytochrome c Blocking Peptide****Alternate names:**

CYC, CYCS

Quantity:

50 µg

Concentration:

0.2 mg/ml

Background:

Cytochrome C is an electron transporting protein that resides within the intermembrane space of the mitochondria, where it plays a critical role in the process of oxidative phosphorylation and production of cellular ATP. An increasing amount of interest has been directed toward the role which cytochrome C has been demonstrated to play in apoptotic processes. Following exposure to apoptotic stimuli, cytochrome C is rapidly released from the mitochondria into the cytosol, an event which may be required for the completion of apoptosis in some systems. Cytosolic cytochrome C functions in the activation of caspase 3, an ICE family molecule that is a key effector of apoptosis.

Uniprot ID:[P99999](#)**NCBI:**[NP_061820.1](#)**GenelD:**[54205](#)**Format:****State:** Liquid peptide**Buffer System:** Phosphate buffered saline (PBS), pH 7.2, containing 0.1 % BSA and 0.02 % thimerosal**Applications:**

It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30 minutes at 37°C. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Control peptide for antibody AP00111PU-N only.

Storage:

Store the antibody at -20°C to -70°C.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.