



Mouse anti Cytochrome C Monoclonal Antibody

Alternative Name(s): nan

Order Information

- **Description:** Cytochrome C
- **Catalogue:** 605-720
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Mouse
- **Clone:** 6H2B4
- **Application:** IHC(P)
- **Reactivity:** Hu

ANTIGEN PREPARATION

A recombinant protein of human Cytochrome C

BACKGROUND

Cytochrome C is a 15 kDa small heme protein that functions as a central component of the electron transport chain in mitochondria. The protein associates with the inner membrane of the mitochondrion where it accepts electrons from cytochrome b and transfers them to the cytochrome oxidase complex. This protein is also involved in initiation of apoptosis. Cytochrome C release upon Fas receptor activation depends on translocation of full-length Bid and the induction of the mitochondrial permeability transition. Mutations in this gene are associated with autosomal dominant nonsyndromic thrombocytopenia. Cytochrome c is a highly conserved protein across the spectrum of species, found in plants, animals, and many unicellular organisms.

PURIFICATION

The mouse IgG is purified by Protein A-Affinity Chromatography according to Isotyping

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human Cytochrome C protein. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 12.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

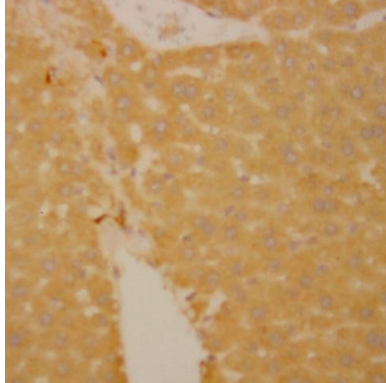
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Liver tissue (FFPE) stained with Mouse anti-Cytochrome (Cat# 605-720) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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