

# Cytochrome C Monoclonal Antibody (6H2), FITC, eBioscience™

## Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), FITC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	6H2
Conjugate	FITC
Excitation/Emission Max	498/517 nm
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_465365

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	5 µg/mL	1 Publication
Flow Cytometry (Flow)	1 µg/test	2 Publications

## Product Specific Information

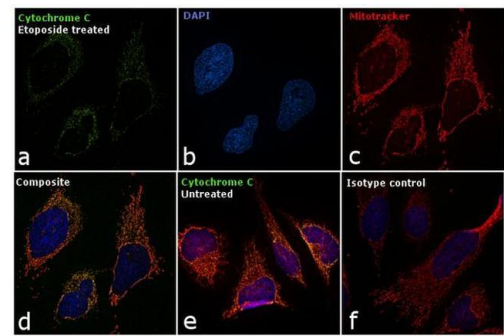
Description: The 6H2 antibody reacts with the native form of mouse, human, and rat cytochrome c.

Applications Reported: The 6H2 antibody has been reported for use in intracellular flow cytometric analysis.

Applications Tested: The 6H2 antibody has been tested by intracellular flow cytometric analysis. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

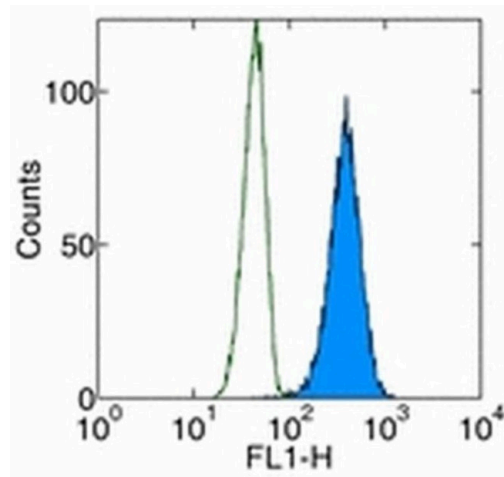
Excitation: 488 nm; Emission: 520 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.



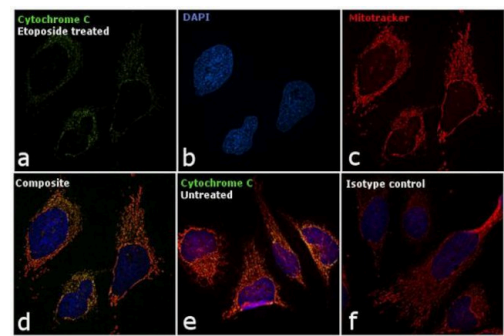
**Cytochrome C Antibody (11-6601-82)**

Detection of altered subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis of Cytochrome C using Cytochrome C FITC conjugated Monoclonal antibody (Product # 11-6601-82), shows change in localization of Cytochrome C from mitochondria to cytoplasm in HeLa cells upon etoposide treatment. {TM}



**Cytochrome C Antibody (11-6601-82) in Flow**

Intracellular staining of the HeLa cell line with anti-Cytochrome c FITC. Appropriate isotype controls were used (open histogram). Total cells were used for analysis.



**Cytochrome C Antibody (11-6601-82) in ICC/IF**

Immunofluorescence analysis of Cytochrome C was performed using log phase HeLa cells treated with 50 uM of Etoposide for 3 hrs. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with Cytochrome C, FITC conjugated Monoclonal Antibody (Product # 11-6601-82) at 5µg/mL in 0.1% BSA and incubated overnight at 4 degree (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). Mitochondria was stained with MitoTracker® Red CMXRos (Product # M7512). Panel d represents the merged image showing cytoplasmic release of Cytochrome C from mitochondria on etoposide treatment. Panel e represents untreated cells showing mitochondrial localization. Panel f represents FITC Isotype control cells to assess background. The images were captured at 60X magnification.

[View more figures on thermofisher.cn](http://thermofisher.cn)

Immunohistochemistry (1)

<p>PLoS neglected tropical diseases</p> <p><b>Caspase dependent programmed cell death in developing embryos: a potential target for therapeutic intervention against pathogenic nematodes.</b></p> <p>"Published figure using Cytochrome C monoclonal antibody (Product # 11-6601-82) in Immunocytochemistry"</p> <p>Authors: Mohapatra AD,Kumar S,Satapathy AK,Ravindran B</p>	<p>Year</p> <p>2011</p>
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Immunocytochemistry (1)

<p>PLoS neglected tropical diseases</p> <p><b>Caspase dependent programmed cell death in developing embryos: a potential target for therapeutic intervention against pathogenic nematodes.</b></p> <p>"Published figure using Cytochrome C monoclonal antibody (Product # 11-6601-82) in Immunocytochemistry"</p> <p>Authors: Mohapatra AD,Kumar S,Satapathy AK,Ravindran B</p>	<p>Year</p> <p>2011</p>
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Flow Cytometry (2)

<p>JCI insight</p> <p><b>Inhibition of antiapoptotic BCL-2 proteins with ABT-263 induces fibroblast apoptosis, reversing persistent pulmonary fibrosis.</b></p> <p>"Published figure using Cytochrome C monoclonal antibody (Product # 11-6601-82) in Flow Cytometry"</p> <p>Authors: Cooley JC,Javkhlan N,Wilson JA,Foster DG,Edelman BL,Ortiz LA,Schwartz DA,Riches DW,Redente EF</p>	<p>Year</p> <p>2023</p> <p>Species</p> <p>Mouse</p> <p>Dilution</p> <p>1:40</p>
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<p>Scientific reports</p> <p><b>Metabolite and thymocyte development defects in ADA-SCID mice receiving enzyme replacement therapy.</b></p> <p>"Published figure using Cytochrome C monoclonal antibody (Product # 11-6601-82) in Flow Cytometry"</p> <p>Authors: Moretti FA,Giardino G,Attenborough TCH,Gkazi AS,Margetts BK,Ia Marca G,Fairbanks L,Crompton T,Gaspar HB</p>	<p>Year</p> <p>2021</p>
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