

Human/Mouse/Rat Cytochrome c Antibody

Monoclonal Mouse IgG_{2B} Clone # 7H8.2C12 Catalog Number: MAB897

DESCRIPTION			
Species Reactivity	Human/Mouse/Rat		
Specificity	Reacts with denatured human, mouse and rat Cytochrome c, but not native Cytochrome c in Western blots.		
Source	Monoclonal Mouse IgG _{2B} Clone # 7H8.2C12		
Purification	Protein A or G purified from ascites		
Immunogen	Pigeon Cytochrome c		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 μg/mL	See Below
Simple Western	2.5 μg/mL	See Below

DATA

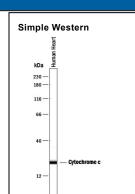
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Western Blot

by Western Blot. Western blot shows lysates of Jurkat human acute T cell leukemia cell line and CTLL-2 mouse cytotoxic T cell line. PVDF membrane was probed with 0.5 μg/mL of Mouse Anti-Human/Mouse/Rat Cytochrome c Monoclonal Antibody (Catalog # MAB897) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Cytochrome c at approximately 12 kDa (as indicated). This experiment was conducted under reducing

conditions and using Immunoblot Buffer Group 4.

Detection of Human and Mouse Cytochrome c



Detection of Human Cytochrome c by Simple WesternTM. Simple Western lane view shows lysates of human heart lissue, loaded at 0.2 mg/mL. A specific band was detected for Cytochrome c at approximately 23 kDa (as indicated) using 2.5 µg/mL of Mouse Anti-Human/Mouse/Rat Cytochrome c Monoclonal Antibody (Catalog # MAB897). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.



PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS

Cytochrome c

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Cytochrome c is a mitochondrial electron transport protein that functions in oxidative phosphorylation. Release of Cytochrome c into the cytosol is an early step in apoptotic cell death.

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