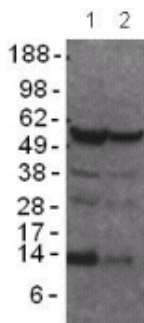


## Anti-Cytochrome C Purified

Catalog Number: 14-6602

Also Known As: cyt c


RUO: For Research Use Only



Immunoblotting of cell lysates prepared from HeLa (lane 1) and Jurkat (lane 2) cell lines under reducing conditions using 5 µg/mL Anti-Cytochrome C Purified. Bands were visualized using conjugated Anti-Mouse IgG HRP.

### Product Information

Contents: Anti-Cytochrome C Purified

 Catalog Number: 14-6602

Clone: 7H8


Concentration: 0.5 mg/ml


Host/Isotype: Mouse IgG2b, κ

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

### Description

This 7H8 monoclonal antibody recognizes human, mouse, and rat cytochrome c, an 11-kDa heme-binding protein found in plants, animals, and other organisms. Cytochrome c is associated with the inner membrane of the mitochondrion. This molecule plays a role in electron transfer during cellular respiration. Moreover, in response to pro-apoptotic stimuli and subsequent calcium level elevation, cytochrome c is released from mitochondria, leading to caspase activation.

### Applications Reported

The 7H8 antibody has been reported for use in immunoblotting (WB).

### Applications Tested

The 7H8 antibody has been tested for western blotting on cell lysates prepared from HeLa and Jurkat cell lines. This antibody can be used at 1-10 µg/ml. It is recommended that the reagent be carefully titrated for optimal performance in the assay of interest.

### References

Jemmerson R, Johnson JG, Burrell E, Taylor PS, Jenkins MK. A monoclonal antibody specific for a cytochrome c T cell stimulatory peptide inhibits T cell responses and affects the way the peptide associates with antigen-presenting cells. *Eur J Immunol.* 1991 Jan;21(1):143-51.

Goshorn SC, Retzel E, Jemmerson R. Common structural features among monoclonal antibodies binding the same antigenic region of cytochrome c. *J Biol Chem.* 1991 Feb 5;266(4):2134-42.

### Related Products

14-4732 Mouse IgG2b K Isotype Control Purified

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