

Cytochrome c (6H2.B4) Mouse mAb

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
IP, IF-IC, FC-FP	H M R	Endogenous	14	Mouse IgG1	#P99999	54205
Product Usage Information	Application					Dilution
	Immunoprecipitation					1:100
	Immunofluorescence (Immunocytochemistry)					1:300
	Flow Cytometry (Fixed/Permeabilized)					1:200 - 1:400
Storage	Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.					
Specificity/Sensitivity	Cytochrome c (6H2.B4) Mouse mAb recognizes endogenous levels of total cytochrome c protein by immunofluorescence. This antibody is not recommended for western blot.					
Source / Purification Background	Monoclonal antibody is produced by immunizing animals with recombinant rat cytochrome c protein.					
	Cytochrome c is a well conserved electron-transport protein and is part of the respiratory chain localized to mitochondrial intermembrane space (1). Upon apoptotic stimulation, cytochrome c released from mitochondria associates with procaspase-9 (47 kDa)/Apaf 1. This complex processes caspase-9 from inactive proenzyme to its active form (2). This event further triggers caspase-3 activation and eventually leads to apoptosis (3).					
Background References	1. Schagger H.H. et al. (2002) <i>Biochem. Biophys. Acta.</i> 1555, 154-159. 2. Li, P. et al. (1997) <i>Cell</i> 91, 479-489. 3. Liu, X. et al. (1996) <i>Cell</i> 86, 147-157.					

Species Reactivity	Species reactivity is determined by testing in at least one approved application (e.g., western blot).
Applications Key	IP: Immunoprecipitation IF-IC: Immunofluorescence (Immunocytochemistry) FC-FP: Flow Cytometry (Fixed/Permeabilized)
Cross-Reactivity Key	H: Human M: Mouse R: Rat
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