

<b>Cat. No:</b>	MAB- 94707
<b>Conjugate:</b>	Unconjugated
<b>Size:</b>	100 ug
<b>Clone:</b>	20E8C12
<b>Concentration:</b>	1mg/ml
<b>Host:</b>	Ms
<b>Isotype:</b>	IgG1
<b>Immunogen:</b>	Recombinant protein containing a sequence of human COX IV
<b>Reactivity:</b>	Hu
<b>Applications:</b>	WesternBlot: 1:1000 Immunofluorescence: 1:100-1:200
<b>Molecular Weight:</b>	15kDa
<b>Purification:</b>	Aff. Pur
<b>Synonyms:</b>	COX 4 Cox4a COX4B COXIV Cytochrome c oxidase subunit 4 isoform mitochondrial MGC105470 dj857M17.2 Cytochrome c oxidase subunit IV
<b>Background:</b>	<p>The enzyme cytochrome c oxidase or Complex IV (EC.9.3.1) is a large transmembrane protein complex found in bacteria and the mitochondrion. It is the last enzyme in the respiratory electron transport chain of mitochondria (or bacteria) located in the mitochondrial (or bacterial) membrane. It receives an electron from each of four cytochrome c molecules and transfers them to one oxygen molecule converting molecular oxygen to two molecules of water. In the process it binds four protons from the inner aqueous phase to make water and in addition translocates four protons across the membrane helping to establish a transmembrane difference of proton electrochemical potential that the ATP synthase then uses to synthesize ATP.</p>
<b>Form:</b>	Liquid
<b>Buffer:</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
<b>Storage:</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.

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