

## Mouse Monoclonal Antibody to COX4I1

<b>Catalogue Number</b>	sAP-0448
<b>Target Molecule</b>	<p><b>Name:</b> COX4I1</p> <p><b>Aliases:</b> COX4; COXIV; COX4-1; MGC72016; COX4I1</p> <p><b>MW:</b> 19kDa</p> <p><b>Entrez Gene ID:</b> 1327</p>
<b>Description</b>	Cytochrome c oxidase (COX) functions as the terminal oxidase of the respiratory chain that uses cytochrome c as an electron donor to drive a proton gradient across the inner mitochondrial membrane. The mammalian COX apoenzyme is a heteromer consisting of three mitochondrial encoded catalytic subunits and several nuclear gene encoded structural subunits. COX contains two iron-coordination sites and two copper-coordination sites. Cytochrome c oxidase IV (COX4) is a nuclear-encoded subunit of COX that may play a role in regulating COX activity. COX4 is expressed ubiquitously in adult human tissue with the strongest levels of expression in the pancreas and moderate expression levels in heart, skeletal muscle and placenta.
<b>Immunogen</b>	Purified recombinant fragment of human COX4I1 expressed in E. Coli.
<b>Reactive Species</b>	Human; Monkey; Rat; Mouse
<b>Clone</b>	MM6B3;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Biochim Biophys Acta. 1992 Feb 26;1119(2):218-24. ; 2. Histochemistry. 1990;94(2):211-5. ; 3. FEBS Lett. 2000 Jun 30;476(1-2):22-6.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**