

Mouse Monoclonal Antibody to COX4I1

Catalogue Number	sAP-0448
Target Molecule	Name: COX4I1 Aliases: COX4; COXIV; COX4-1; MGC72016; COX4I1 MW: 19kDa Entrez Gene ID: 1327
Description	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.
Immunogen	Purified recombinant fragment of human COX4I1 expressed in E. Coli.
Recitative Species	Human; Monkey; Rat; Mouse
Clone	MM6B3;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	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
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	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**