



Anti-COX IV Mouse Monoclonal Antibody(5B6)

Catalog No.	EM31016-01	EM31016-02
Size	50μl	100μl

The enzyme cytochrome c oxidase or Complex IV, EC 1.9.3.1) 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.

Molecular Weight: 15KD

Application : WB 1 : 1,000-3,000 IF1:100-200 Optimal dilutions should be determined by the end user.

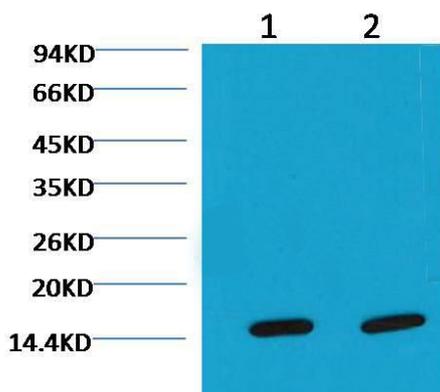
species reactivity: Human Rat Mouse

Specificity: The COX IV antibody can detect endogenous COX IV protein.

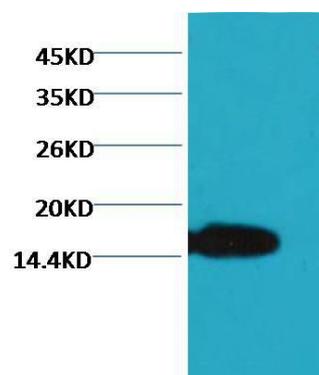
Form: Liquid ,1mg/ml

Storage buffer: PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol

Storage: Store at -20°C. Do not aliquot the antibody.



Western blot analysis of HeLa with COX IV Mouse mAb diluted at 1) 1:2,000 2) 1:5,000



Western blot analysis of HeLa with COX IV Mouse mAb diluted at 1:3,000