

# Anti-COX IV [4D11-B3-E8] Monoclonal Antibody

## AGMB05404

### Description

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This Anti-COX IV [4D11-B3-E8] Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

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<b>SKU:</b>	AGMB05404
<b>Contents:</b>	1mL, 100µl Bradford Reagent: 1 vial (2ml)
<b>Synonyms:</b>	COX 4, Cox4a, COX4B, COXIV, Cytochrome c oxidase subunit 4 isoform 1 mitochondrial, MGC105470, dj857M17.2, Cytochrome
<b>Applications:</b>	<b>WB</b> <b>IHC-F</b> <b>IHC-P</b> <b>ICC/IF</b> <b>FC</b> <b>IP</b>
<b>Research Area:</b>	Isotype/Loading Controls
<b>Form:</b>	Liquid

### Antibody Data

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<b>Reactivity:</b>	Human, Monkey
<b>Clone:</b>	4D11-B3-E8
<b>Clonality:</b>	Monoclonal Antibody
<b>SwissProt ID:</b>	P13073
<b>Immunogen:</b>	A synthetic peptide corresponding to carboxyl terminal residues of human COX IV
<b>Gene ID:</b>	1327

#### Manufacturers Statement

This final kit system is assembled and quality-released by Assay Genie Limited.

**Gene Name:** COX4I1

**Host Species:** Mouse

**Isotype:** IgG1

**Purification:** Affinity Purified

**Conjugated:** Unconjugated

**Modification:** Unmodified

**Molecular Weight:** Calculated MW: 20 kDa, Observed MW: 17 kDa

## Preparation & Storage

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**Storage:** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.  
Store Bradford Reagent at Room Temperature for 1 Year.

**Storage Buffer:** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

<b>Antibody Dilution Ratio:</b>	<b>Application</b>	<b>Antibody Dilution Ratio</b>
	WB	1:500-1:1000
	IHC	1:50-1:200
	IF	1:100-1:200
	IP	1:20
	FC	1:100

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol.