

#M25077

# PCCA Mouse mAb

- ☐ 50 µl
- ☐ 100 µl
- ☐ 200 µl

## DESCRIPTION

The protein encoded by this gene is the alpha subunit of the heterodimeric mitochondrial enzyme Propionyl-CoA carboxylase. PCCA encodes the biotin-binding region of this enzyme. Mutations in either PCCA or PCCB (encoding the beta subunit) lead to an enzyme deficiency resulting in propionic acidemia. Multiple transcript variants encoding different isoforms have been found for this gene.

## SOURCE

This Abmart monoclonal antibody is produced by immunizing mice with a polypeptide (Abmart SEAL mAb technology) corresponding to PCCA protein.

## STORAGE

Store at -20°C, stable for one year from the date of shipment.

## ALIASES

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## REACTIVITY

*Homo sapiens*

## ISOTYPE

Mouse IgG

## PREDICTED MOLECULAR WEIGHT

80 KDa

## RECOMMEND ANTIBODY DILUTIONS

Western blotting	1:1000-1:5000
Immunoprecipitation	10 tests
FACS	1:100-1:200

**\*For Western blots, incubate membrane with diluted antibody in 5% w/v nonfat dry milk, 1X TBS, 0.05% Tween-20 at 4°C with gentle shaking overnight.**

## PRODUCT ADVANTAGE

Mass spectrum approved

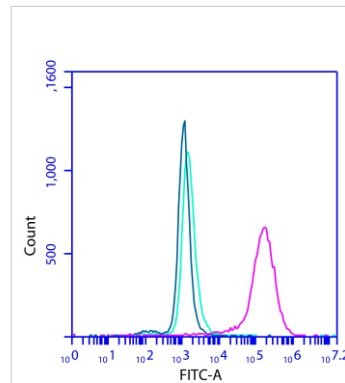


Orders ■ 400-6123-828

orders@ab-mart.com

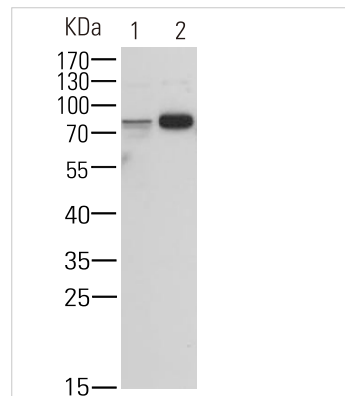
Web ■ www.ab-mart.com.cn

## APPLICATION DATA



Flow Cytometry—Anti-PCCA Antibody (M25077)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling PCCA with M25077 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (blue) and an unlabelled control (cells without incubation with primary antibody, green). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



WB-Anti-PCCA Antibody (M25077)

PCCA was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25077 of 10µg. Western blot was performed from the immunoprecipitate using M25077 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.

**Predicted band size : 80 KDa**

**Observed band size : 80 KDa**

## COMPANION PRODUCTS

M25001	AIFM1 Mouse mAb
M25002	Ch60 Mouse mAb
M25003	VIME(337) Mouse mAb
M25004	IDHP Mouse mAb
M25005	TBA1B Mouse mAb

Blocking and dilution buffer and concentration: 5% milk/TBST.

**Applications Key:** WB—Western blot, IP—Immunoprecipitation, IHC—Immunohistochemistry, ChIP—Chromatin Immunoprecipitation, IF—Immunofluorescence

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For *in vitro* research use only and not intended for use in humans or animals.