

#M25079

# PRDX3 Mouse mAb

- ☐ 50 µl
- ☐ 100 µl
- ☐ 200 µl



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## DESCRIPTION

This gene encodes a mitochondrial protein with antioxidant function. The protein is similar to the C22 subunit of *Salmonella typhimurium* alkylhydroperoxide reductase, and it can rescue bacterial resistance to alkylhydroperoxide in *E. coli* that lack the C22 subunit. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologs suggest that these genes consist of a family that is responsible for the regulation of cellular proliferation, differentiation and antioxidant functions. This family member can protect cells from oxidative stress, and it can promote cell survival in prostate cancer. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1, 3, 13 and 22.

## SOURCE

This Abmart monoclonal antibody is produced by immunizing mice with a polypeptide (Abmart SEAL mAb technology) corresponding to PRDX3 protein.

## STORAGE

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

## ALIASES

AOP-1, AOP1, MER5, SP-22

## REACTIVITY

*Homo sapiens*

## ISOTYPE

Mouse IgG

## PREDICTED MOLECULAR WEIGHT

27 KDa

## RECOMMEND ANTIBODY DILUTIONS

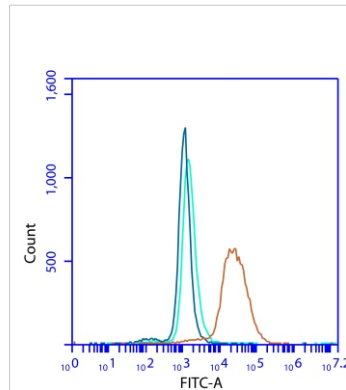
Western blotting	1:1000-1:5000
Immunoprecipitation	10 tests
FACS	1:100-1:200

**\*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

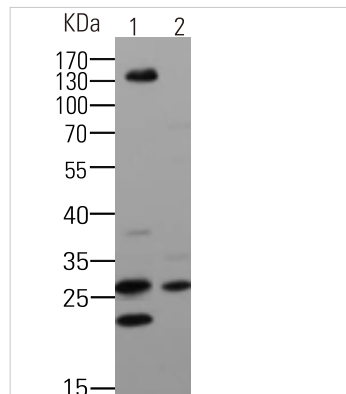
Mass spectrum approved

## APPLICATION DATA



Flow Cytometry—Anti-PRDX3 Antibody (M25079)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling PRDX3 with M25079 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-PRDX3 Antibody (M25079)

PRDX3 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25079 of 10µg. Western blot was performed from the immunoprecipitate using M25079 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 : 27 KDa**

**Observed band size : 27 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.