

TECHNICAL DATA SHEET**Catalog # MSM02****Mitofilin monoclonal antibody**

Rev.3

LOT #:

COMPONENTS:	100 µg monoclonal antibody
APPLICATIONS:	Western blotting, Immunocytochemistry, Immunohistochemistry, In-Cell ELISA, Flow Cytometry
CLONE ID OF MONOCLONAL ANTIBODYV(mAb):	2E4AD5
SPECIES CROSS-REACTIVITY:	human
HOST SPECIES AND ISOTYPE:	Mouse IgG1, κ
IMMUNOGEN:	Human heart mitochondria
CONCENTRATION:	1 mg/mL in HEPES-Buffered Saline (HBS) with 0.02% azide as a preservative.
SUGGESTED WORKING CONCENTRATION:	2 µg/mL for Western blotting 1-5 µg/mL for immunocytochemistry 4 µg/mL for In-Cell ELISA (0.4 µg/well) 1 µg/mL for Flow Cytometry
mAb PURITY:	Near homogeneity as judged by SDS-PAGE. The antibody was produced <i>in vitro</i> using hybridomas grown in serum-free medium, and then purified by biochemical fractionation.
STORAGE CONDITIONS:	Store at 4°C. Do not freeze.
COUNTRY OF ORIGIN:	USA

BACKGROUND:

Mitofilin is a transmembrane protein of the inner mitochondrial membrane and it is associated with a large multimeric protein complex of about 1200 kDa. Mitofilin has critical functions in mitochondrial morphology and mitochondrial fusion and fission, specifically in the formation of tubular cristae and cristae junctions. Abnormal mitochondrial morphology has been implicated in many human diseases such as myopathy, cardiomyopathy, rhabdomyosarcoma and Whartin's tumor.

Note: This product is for research purposes only. It is not to be used in humans or for diagnostic purposes.

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