

## Monoclonal Antibody to Human Mitochondria

<b>Catalog No.:</b>	DM3134
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.2 mg/ml
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Recommended Isotype Controls:</b>	SM10P (for use in human samples), AM03095PU-N
<b>Clone:</b>	MTC02
<b>Immunogen:</b>	Semi-purified mitochondrial preparation. Epitope not determined.
<b>Applications:</b>	Immunofluorescence. Western Blotting: Ab 1-2 micrograms/ml for 2hrs at RT. Immunohistology (Formalin/paraffin): Ab 1-2micrograms/ml for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min. Recommended positive control: HeLa Cells, Liver. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Recognizes a 60 kD non-glycosylated protein component of mitochondria found in human cells. It can be used to stain the mitochondria in cell or tissue preparations and can be used as a marker of the mitochondria in subcellular fractions. Cellular Localization: cytoplasmic.  Mol. Wt. of Antigen: 60kD  Notes: This antibody does not cross-react with other b-HLH-ZIP factors by DNA mobility shift assay. This antibody reacts with both melanocytic and nonmelanocytic isoforms of Mi. It is especially useful for research on murine Mi protein. Epitope: N-terminal
<b>Storage:</b>	Store the antibody at 4°C. Do not freeze! Shelf life: on