

## Product datasheet for **AM33337PU-S**

### Mitochondria Mouse Monoclonal Antibody [Clone ID: MTC754]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	MTC754
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	<b>Western Blot:</b> 0.25-0.5 µg/ml. <b>Flow Cytometry:</b> 0.5-1 µg/10 <sup>6</sup> cells. <b>Immunofluorescence:</b> 0.5-1 µg/ml. <b>Immunoprecipitation:</b> 0.5-1 µg/500 µg protein lysate. <b>Immunohistochemistry on Frozen Sections:</b> 0.5-1 µg/ml for 30 minutes at RT. <b>Recommended Positive Control:</b> HeLa or HepG2 cells, Hepatic carcinoma.
Reactivity:	Bacteria, Human, Insect
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Mitochondrial fraction of HeLa cells.
Specificity:	<p>This Monoclonal <i>MTC754</i> Antibody recognizes a 60kDa antigen associated with the mitochondria in cells. It is a part of a new panel of reagents, which recognizes subcellular organelles or compartments of cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations.</p> <p>This Monoclonal <i>MTC754</i> Antibody recognizes an antigen associated with the mitochondria in cells from a wide variety of animals including insects and bacteria. It can be used to stain the mitochondria in cell or tissue preparations and can be used as a mitochondrial marker in subcellular fractions. It produces a spaghetti-like pattern in normal and malignant cells and may be used to stain mitochondria of cells in frozen tissue sections. It can also be used with paraformaldehyde fixed frozen tissue or cell preparations.</p> <b>Cellular Localization:</b> Mitochondria in cytoplasm.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide



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<b>Concentration:</b>	lot specific
<b>Purification:</b>	Protein A/G Chromatography
<b>Conjugation:</b>	Unconjugated
<b>Storage:</b>	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Predicted Protein Size:</b>	60 kDa
<b>Background:</b>	Mitochondria are most commonly known as the power plants of the cell as they produce ATP, but they are also involved in many other important cellular processes such as cell signaling, growth and differentiation (McBride et al., 2006). In addition, mitochondria have been shown to play a role in apoptosis (Green 1998).
<b>Synonyms:</b>	Mitochondrial Marker