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## 36-11107: Monoclonal Antibody to Mitochondria (Marker for Human Cells)(Clone : AE-1)

Clonality: Monoclonal

Clone Name : AE-1

**Application:** ELISA,IF,WB,IHC

Reactivity: Human Format: Purified

**Isotype:** Mouse IgG1, kappa

Immunogen Information: Semi-purified mitochondrial prepaRation

## **Description**

This MAb recognizes a 60kDa antigen associated with the mitochondria in human cells. It is a part of a new panel of reagents, which recognizes subcellular organelles or compartments of human cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations. It recognizes an antigen associated with the mitochondria in human cells only. 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 fixed or frozen tissue sections. It can also be used with paraformaldehyde fixed frozen tissue or cell preparations. This MAb is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells, including neurons and embryonic stem cells.

## **Product Info**

**Amount:** 100 μg

**Purification:** Affinity Chromatography

**Content:** 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

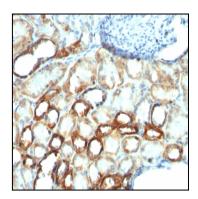
toxic.

**Storage condition :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

ELISA (For coating, order Ab without BSA); Immunofluorescence (0.5-1ug/ml); Western Blot (0.25-0.5ug/ml); Immunohistochemistry (Formalin-fixed) (0.5-1ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes)

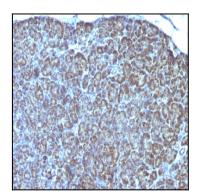


Formalin-fixed, paraffin-embedded human Tonsil stained with Mitochondria Monoclonal Antibody (AE-1).



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Formalin-fixed, paraffin-embedded human Pancreas stained with Mitochondria Monoclonal Antibody (AE-1).