

## GDF15 monoclonal antibody

Catalog: MB67187

Host: Mouse

Reactivity: Human

### BackGround:

Macrophage inhibitory cytokine-1 (Mic-1), also termed GDF15, PTGF- $\beta$ , PLAB, PDF, and NAG-1, is a divergent member of the transforming growth factor- $\beta$  (TGF- $\beta$ ) superfamily. Like other family members, Mic-1 is synthesized as an inactive precursor that undergoes proteolytic processing involving removal of an N-terminal hydrophobic signal sequence followed by cleavage at a conserved RXXR site generating an active C-terminal domain that is secreted as a dimeric protein. Mic-1 is highly expressed in the placenta and is also dramatically increased by cellular stress, acute injury, inflammation, and cancer. In the brain, Mic-1 is found in the choroid plexus and is secreted into the cerebrospinal fluid. It is also a transcriptional target of the p53 tumor suppressor protein and may serve as a biomarker for p53 activity. During tumor progression, Mic-1 has various effects on apoptosis, differentiation, angiogenesis, and metastasis, and may also contribute to weight loss during cancer.

### Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 35 kDa

### Swiss-Prot:

Q99988

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/1000 - 1/2000)

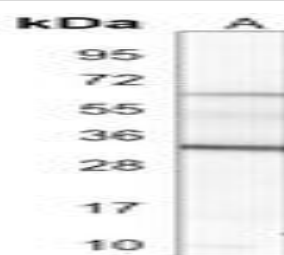
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of GDF15 protein.

### DATA:



Western blot analysis of GDF15 expression in HT1080 (A) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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