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**Product Name: MDM2 Mouse Monoclonal Antibody****Catalog #: AMM81437**

For research use only.

**Summary**

|                      |   |
|----------------------|---|
| <b>Description</b>   | Mouse monoclonal Antibody   |
| <b>Host</b>          | Mouse   |
| <b>Application</b>   | ELISA,FC  |
| <b>Reactivity</b>    | Human   |
| <b>Conjugation</b>   | Unconjugated  |
| <b>Modification</b>  | Unmodified  |
| <b>Isotype</b>       | Mouse IgG1  |
| <b>Clonality</b>     | Monoclonal  |
| <b>Form</b>          | Liquid  |
| <b>Concentration</b> | 1mg/ml  |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags  |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide                            |
| <b>Purification</b>  | Affinity Purification   |

**Application**

|                         |                                     |
|-------------------------|-------------------------------------|
| <b>Dilution Ratio</b>   | ELISA 1:5000-1:20000,FC 1:200-1:400 |
| <b>Molecular Weight</b> | 55.2kDa                             |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | MDM2   |
| <b>Alternative Names</b> | DMX; hdm2; ACTFS   |
| <b>Gene ID</b>           | 4193.0   |
| <b>SwissProt ID</b>      | Q00987   |
| <b>Immunogen</b>         | Synthesized peptide of human MDM2 (AA: cSRPSTSSRRRAISE). |

**Background**

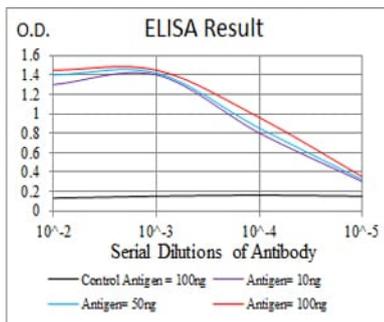
This gene encodes a nuclear-localized E3 ubiquitin ligase. The encoded protein can promote tumor formation by targeting tumor suppressor proteins, such as p53, for proteasomal degradation. This gene is itself transcriptionally-regulated by p53. Overexpression or amplification of this locus is detected in a variety of different cancers. There is a pseudogene for this gene on

chromosome 2. Alternative splicing results in a multitude of transcript variants, many of which may be expressed only in tumor cells.

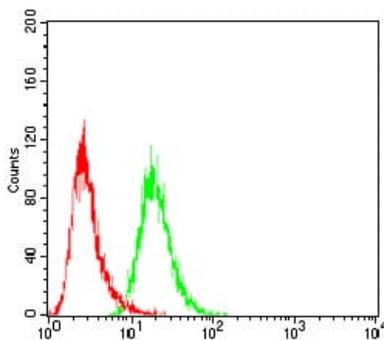
## Research Area

Apoptosis, PI3K-Akt signaling pathway

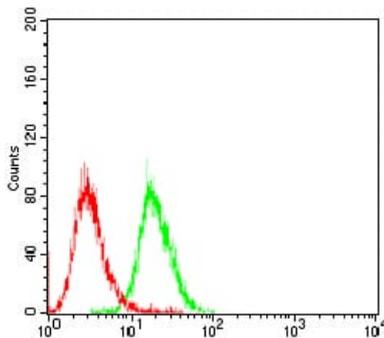
## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Flow cytometric analysis of HeLa cells using MDM2 mouse mAb (green) and negative control (red).



Flow cytometric analysis of Jurkat cells using MDM2 mouse mAb (green) and negative control (red).