

**Mouse Monoclonal Antibody to CDC37**  
**Purified Mouse Monoclonal Antibody**  
**Catalog # AO2487a****Specification**

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**Mouse Monoclonal Antibody to CDC37 - Product Information**

Application	WB, FC, E
Primary Accession	<a href="#">Q16543</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG2a
Calculated MW	44.5kDa KDa

**Description**

The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of *Sacchomyces cerevisiae*. This protein is a molecular chaperone with specific function in cell signal transduction. It has been shown to form complex with Hsp90 and a variety of protein kinases including CDK4, CDK6, SRC, RAF-1, MOK, as well as eIF2 alpha kinases. It is thought to play a critical role in directing Hsp90 to its target kinases.;

**Immunogen**

Purified recombinant fragment of human CDC37 (AA: 241-378) expressed in E. Coli.

**Formulation**

Purified antibody in PBS with 0.05% sodium azide

**Application Note**

ELISA: 1/10000; WB: 1/500 - 1/2000; FCM: 1/200 - 1/400

**Mouse Monoclonal Antibody to CDC37 - Additional Information**

**Gene ID** 11140

**Other Names**

P50CDC37

**Dilution**

WB~~1:1000  
FC~~1:10~50  
E~~N/A

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Monoclonal Antibody to CDC37 is for research use only and not for use in diagnostic or therapeutic procedures.

## Mouse Monoclonal Antibody to CDC37 - Protein Information

**Name** CDC37

**Synonyms** CDC37A

### Function

Co-chaperone that binds to numerous kinases and promotes their interaction with the Hsp90 complex, resulting in stabilization and promotion of their activity (PubMed:<a href="http://www.uniprot.org/citations/8666233" target="\_blank">8666233</a>). Inhibits HSP90AA1 ATPase activity (PubMed:<a href="http://www.uniprot.org/citations/23569206" target="\_blank">23569206</a>).

### Cellular Location

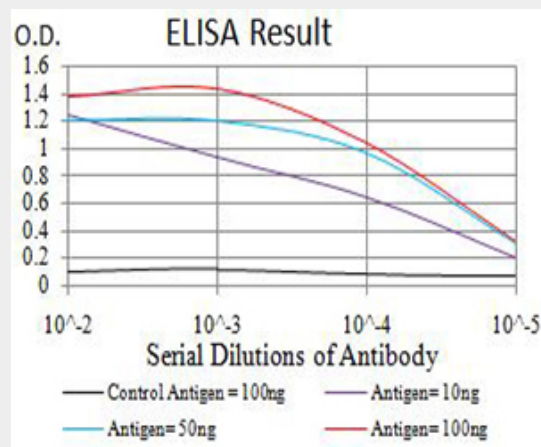
Cytoplasm.

## Mouse Monoclonal Antibody to CDC37 - Protocols

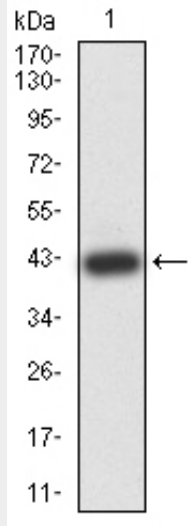
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

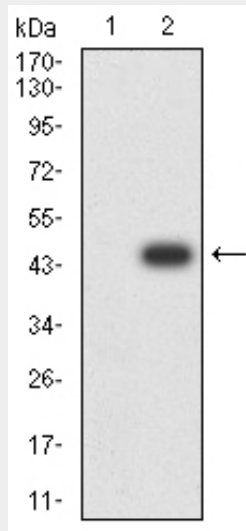
## Mouse Monoclonal Antibody to CDC37 - Images



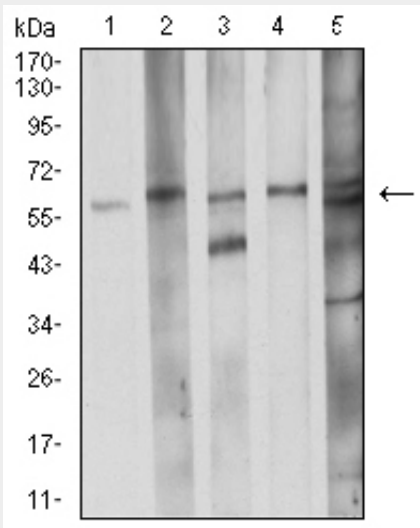
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



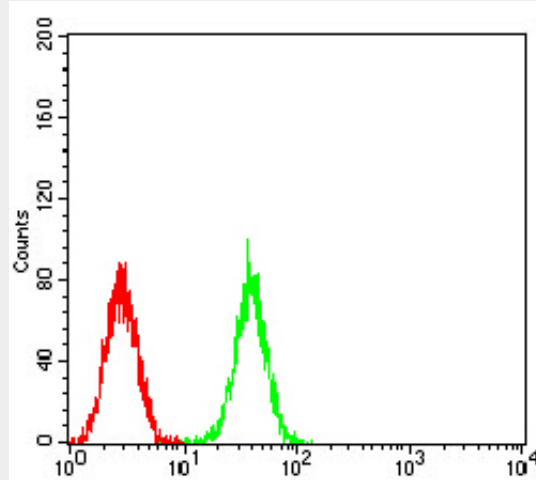
Western blot analysis using CDC37 mAb against human CDC37 (AA: 241-378) recombinant protein. (Expected MW is 41.6 kDa)



Western blot analysis using CDC37 mAb against HEK293 (1) and CDC37 (AA: 241-378)-hIgGFc transfected HEK293 (2) cell lysate.



Western blot analysis using CDC37 mouse mAb against K562 (1), LNcap (2), A431 (3), HEK293 (4), and C2C12 (5) cell lysate.



Flow cytometric analysis of K562 cells using CDC37 mouse mAb (green) and negative control (red).

#### **Mouse Monoclonal Antibody to CDC37 - References**

- 1.Liver Int. 2015 Apr;35(4):1403-15. ;
- 2.Oncogene. 2009 Jan 15;28(2):157-69. ;