
Product Name: CDC37 Mouse Monoclonal Antibody**Catalog #: AMM81812**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG2a
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	44.5kDa

Antigen Information

Gene Name	CDC37
Alternative Names	P50CDC37
Gene ID	11140.0
SwissProt ID	Q16543
Immunogen	Purified recombinant fragment of human CDC37 (AA: 241-378) expressed in E. Coli.

Background

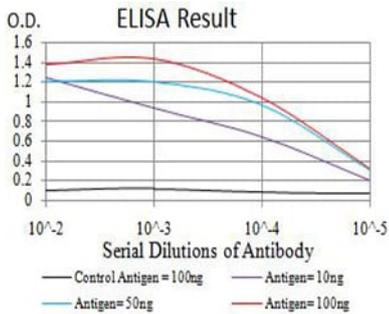
The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of *Saccharomyces cerevisiae*. This protein is a molecular chaperone with specific function in cell signal transduction. It has been shown to form complex with Hsp90 and a variety of protein kinases including 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.

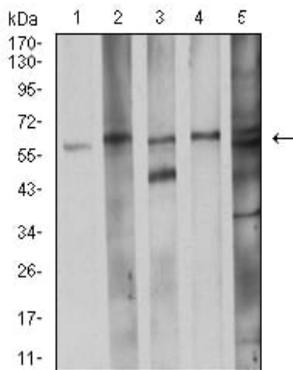
Research Area

PI3K-Akt signaling pathway

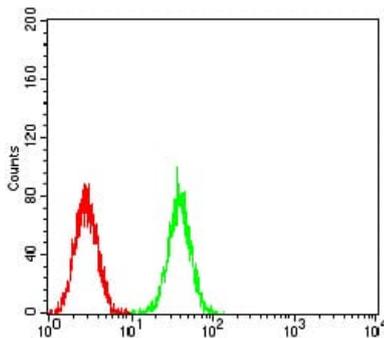
Image Data



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



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).