

# Cdc37 Monoclonal Antibody (C1)

## Product Details

|                    |  |
|--------------------|--|
| Size               | 100 µL                                 |
| Species Reactivity | Hamster, Human, Mouse, Rat             |
| Published Species  | Rabbit, Yeast, Fruit fly, Mouse, Human |
| Host/Isotype       | Mouse / IgG2b                          |
| Class              | Monoclonal                             |
| Type               | Antibody                               |
| Clone              | C1                                     |
| Conjugate          | Unconjugated                           |
| Immunogen          | Purified mouse Cdc37 fusion protein.   |
| Form               | Liquid                                 |
| Concentration      | Conc. Not Determined                   |
| Storage buffer     | ascites                                |
| Contains           | 0.05% sodium azide                     |
| Storage conditions | -20° C, Avoid Freeze/Thaw Cycles       |
| RRID               | AB_2077740                             |

| Applications                              | Tested Dilution | Publications   |
|---|-----------------|----------------|
| Western Blot (WB)                         | 1:1,000         | 8 Publications |
| Immunohistochemistry (IHC)                | -               | 1 Publication  |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:200           | -              |
| Immunocytochemistry (ICC/IF)              | 1:200           | -              |
| Flow Cytometry (Flow)                     | 1:50            | -              |
| Immunoprecipitation (IP)                  | Assay-dependent | 1 Publication  |
| Miscellaneous PubMed (Misc)               | -               | 1 Publication  |

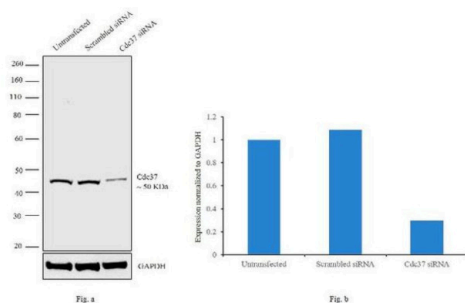
## Product Specific Information

MA3-029 detects Cdc37 from hamster, human, mouse and rat cells and tissues.

MA3-029 has been successfully used in Western blot, FACS, immunofluorescence, immunocytochemistry and immunoprecipitation (under denaturing conditions) procedures. By Western blot, this antibody recognizes a single 50 kDa protein representing Cdc37 in HeLa cell extract. Immunofluorescence staining of Cdc37 in Hepa1 cells with MA3-029 results in mostly cytoplasmic staining concentrated around the nuclear membrane. This antibody detects some weak non-specific bands in Jurkat, A431 and NIH-3T3 cell lysates.

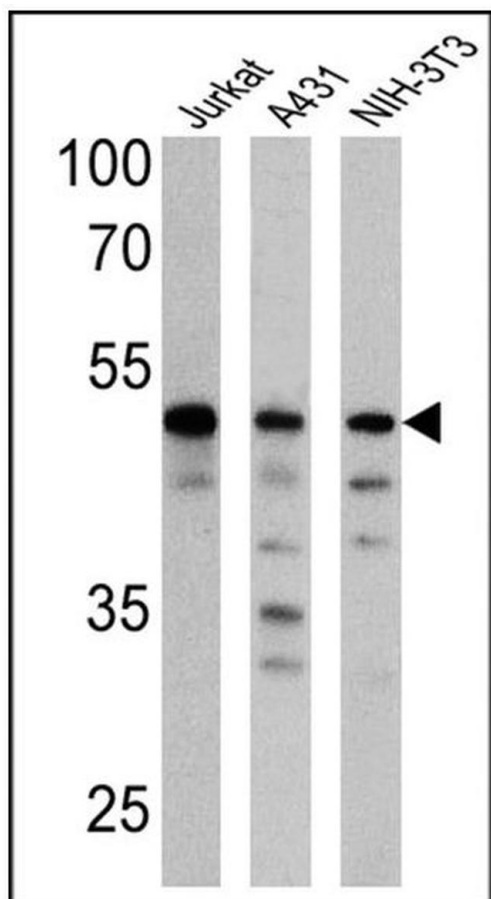
The MA3-029 antigen is purified mouse Cdc37 fusion protein.

## Product Images For Cdc37 Monoclonal Antibody (C1)



### Cdc37 Antibody (MA3-029)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with Cdc37 siRNA and reduction of signal was observed in Western Blot using Anti-Cdc37 Monoclonal Antibody (Product # MA3-029). {KD}

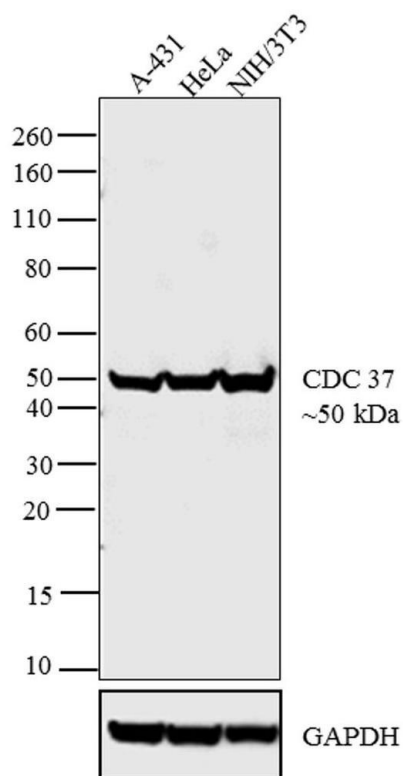


### Cdc37 Antibody (MA3-029) in WB

Western blot analysis of Cdc37 was performed by loading 25 µg of Jurkat (Lane 1), A431 (Lane 2), and NIH-3T3 cell lysates (Lane 3) and a molecular weight protein ladder onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked with a blocking buffer at 4°C overnight. The membrane was probed with a Cdc37 monoclonal antibody (Product # MA3-029) at a dilution of 1:1000 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at 50 kDa in all three cell lines.

### Cdc37 Antibody (MA3-029) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of A-431 (Lane 1), HeLa (Lane 2) and NIH/3T3 (Lane 3). The blot was probed with Anti-Cdc37 Monoclonal Antibody (Product # MA3-029, 1:1000 dilution) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 50 kDa band corresponding to CDC37 was observed across the cell lines tested.



[View more figures on thermofisher.com](https://www.thermofisher.com)

## 11 References

### Western Blot (8)

Cell

#### A Bacterial Effector Mimics a Host HSP90 Client to Undermine Immunity.

"MA3-029 was used in Western Blotting to demonstrate that phosphorylation of HSP90 prevents activation of immune receptors that trigger the hypersensitive response in plants."

Authors: Lopez VA, Park BC, Nowak D, Sreelatha A, Zembek P, Fernandez J, Servage KA, Gradowski M, Hennig J, Tomchick DR, Pawowski K, Krzymowska M, Tagliabracci VS

Year  
2019

Species  
Human

Scientific reports

#### PDLIM1 inhibits NF-B-mediated inflammatory signaling by sequestering the p65 subunit of NF-B in the cytoplasm.

"MA3-029 was used in western blot to study how PDLIM1 suppresses NF-kappaB activation"

Authors: Ono R, Kaisho T, Tanaka T

Year  
2015

Species  
Mouse

[View more WB references on thermofisher.com](#)

### Immunohistochemistry (1)

Frontiers in molecular neuroscience

#### The Alpha Isoform of Heat Shock Protein 90 and the Co-chaperones p23 and Cdc37 Promote Opioid Anti-nociception in the Brain.

"Published figure using Cdc37 monoclonal antibody (Product # MA3-029) in Immunohistochemistry"

Authors: Lei W, Duron DI, Stine C, Mishra S, Blagg BSJ, Streicher JM

Year  
2023

Species  
Mouse

Dilution  
1:100

### Immunoprecipitation (1)

Biochemistry

#### p50(cdc37) is a nonexclusive Hsp90 cohort which participates intimately in Hsp90-mediated folding of immature kinase molecules.

"MA3-029 was used in immunoprecipitation to investigate the role of p50(cdc37) in heat shock protein 90 molecular chaperone function"

Authors: Hartson SD, Irwin AD, Shao J, Scroggins BT, Volk L, Huang W, Matts RL

Year  
2000

Species  
Rabbit

### More applications with references on thermofisher.com

### Misc (1)

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