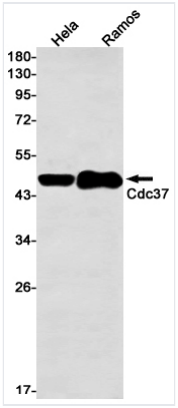
CDC37 Antibody – Rabbit Monoclonal

PRODUCT OVERVIEW

Product Name	Cdc37, Monoclonal Antibody
Full Product Name	Cdc37 Rabbit mAb
Product Gene Name	anti-Cdc37 antibody
Product Synonym Names	Hsp90 co-chaperone Cdc37; p50Cdc37
Clonality	Monoclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	50nM Tris-Glycine (pH7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA
Purity/Purification	Affinity purified
Preparation and Storage	Store at 4 degree C short term. Store at -20 degree C long term. Avoid freeze/thaw cycle.
Molecular Weight	44,468 Da
Chromosome Location	Chromosome: 19; NC_000019.9 (10501809..10514271, complement). Location: 19p13.2
OMIM	605065
3D Structure	ModBase 3D Structure for Q16543
Immunogen	A synthetic peptide of human Cdc37
Conjugation	Unconjugated
Modification	Unmodification
Applications Tested/Suitable for anti-Cdc37 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Flow Cytometry (FC/FACS), Immunoprecipitation (IP)
Application Notes for anti-Cdc37 antibody	WB: 1:2000-1:10,000 IHC: 1:50 ICC/IF: 1:50 FC: 1:20 IP: 1:20
Related Product Information for anti-Cdc37 antibody	MBS4753217 is an antibody targeting Cdc37. Also known as Cdc37 Rabbit mAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-Cdc37 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-Cdc37 antibody
Western blot detection of Cdc37 in Hela,Ramos cell lysates using Cdc37 Rabbit mAb(1:1000 diluted). Predicted band size:45kDa. Observed band size:45kDa.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Cdc37. It may not necessarily be applicable to this product.

NCBI GI #	5901922
NCBI GeneID	11140
NCBI Accession #	NP_008996.1
UniProt Primary Accession #	Q16543
UniProt Secondary Accession #	Q53YA2
UniProt Related Accession #	Q16543
GenBank Nucleotide #	NM_007065.3
NCBI Official Full Name	hsp90 co-chaperone Cdc37
NCBI Official Synonym Full Names	cell division cycle 37
NCBI Official Symbol	CDC37
NCBI Official Synonym Symbols	P50CDC37
UniProt Protein Name	Hsp90 co-chaperone Cdc37
UniProt Synonym Protein Names	Hsp90 chaperone protein kinase-targeting subunit; p50Cdc37
Protein Family	Hsp90 co-chaperone
UniProt Gene Name	CDC37
UniProt Synonym Gene Names	CDC37A
UniProt Entry Name	CDC37_HUMAN
NCBI Protein Information	hsp90 co-chaperone Cdc37; cell division cycle 37 homolog; CDC37 cell division cycle 37 homolog; hsp90 chaperone protein kinase-targeting subunit; CDC37 (cell division cycle 37, S. cerevisiae, homolog)
NCBI Summary for Cdc37	The protein encoded by this gene is highly similar to Cdc 37, a cell division cycle control protein of Sacchromyces 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. [provided by RefSeq, Jul 2008]

UniProt Comments for Cdc37	CDC37: a molecular chaperone that functions in cell signal transduction. Forms complexes with Hsp90 and a variety of protein kinases including CDK4, CDK6, SRC, RAF-1, MOK, as well as eIF2 alpha kinases. Also interacts with androgen receptor. It is thought to play a critical role in directing Hsp90 to its target kinases. Protein type: Chaperone Chromosomal Location of Human Ortholog: 19p13.2 Cellular Component: protein complex; cytoplasm; cytosol Molecular Function: protein kinase B binding; protein binding; heat shock protein binding; chaperone binding; unfolded protein binding; Hsp90 protein binding; mitogen-activated protein kinase kinase kinase binding; kinase binding Biological Process: protein stabilization; protein folding; regulation of cyclin-dependent protein kinase activity; protein targeting
Research Articles on Cdc37	**1.** ERK5 interacts with the Hsp90-Cdc37 chaperone in resting cells, and inhibition of Hsp90 or Cdc37 results in ERK5 ubiquitylation and proteasomal degradation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monoclonal-human-antibody/cdc37/4753217