

Product Information

Size:

5µg

Applications:

ELISA, Flow Cytometry

Reactivity:

Other bodies

Source:

Mouse

Isotype:

IgG1

Purification Method:

CDC37 antibody was purified from mouse ascitic fluids by protein-A affinity chromatography.

Protein Background:

CDC37 is an essential protein in *Saccharomyces cerevisiae* and is a molecular chaperone with precise function in cell signal transduction. CDC37 forms a complex/associates with Hsp90 molecular chaperone as one of several auxiliary proteins that are collectively referred to as Hsp90 co-chaperones. CDC37 also forms complex with a number of protein kinases such as CDK4, CDK6, SRC, RAF-1, MOK, as well as eIF2 alpha kinases. CDC37 is involved in directing Hsp90 to its target kinases. CDC37 up-regulation is a common early event in some localized human cancers. CDC37 is necessary for maintaining prostate tumor cell growth and represents a novel target in the exploration for multitargeted therapies. CDC37 plays a role in regulating Hsp90 ATPase activity. CDC37 binds to Akt and HSP90 in the signal transduction pathway in human tumor cells. Tnf-induced recruitment and activation of the IKK complex require Cdc37 and Hsp90. CDC37 and heat shock protein 90 bind specifically to the kinase domain of LKB1.

Synonyms:

P50CDC37, CDC-37, CDC37, Hsp90 co-chaperone Cdc37, Hsp90 chaperone protein kinase-targeting subunit, CDC37A, Cell Division Cycle 37.

Immunogen:

Anti-human CDC37 mAb, is derived from hybridization of mouse F myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CDC37 protein 1-378 amino acids purified from *E. coli*.

Storage:

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.