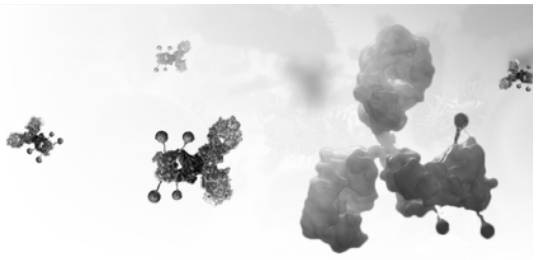

Mouse CDK4 blocking peptide (CDBP0747)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	cdk 4 (C - term) peptide (mouse)
Antigen Description	The protein encoded by this gene is a member of the Ser/Thr protein kinase family. This protein is highly similar to the gene products of S. cerevisiae cdc28 and S. pombe cdc2. It is a catalytic subunit of the protein kinase complex that is important for cell cycle G1 phase progression. The activity of this kinase is restricted to the G1-S phase, which is controlled by the regulatory subunits D-type cyclins and CDK inhibitor p16(INK4a). This kinase was shown to be responsible for the phosphorylation of retinoblastoma gene product (Rb). Mutations in this gene as well as in its related proteins including D-type cyclins, p16(INK4a) and Rb were all found to be associated with tumorigenesis of a variety of cancers. Multiple polyadenylation sites of this gene have been reported.
Species	Mouse
Conjugate	Unconjugated
Applications	BL
Format	Liquid
Concentration	0.2 mg/ml
Size	100 µg
Buffer	PBS with 100ug BSA 0.1% sodium azide
Preservative	0.1% Sodium Azide
Storage	Keep as concentrated solution, aliquot and store at 4°C.

GENE INFORMATION

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Gene Name	Cdk4 cyclin-dependent kinase 4 [Mus musculus]
Official Symbol	CDK4
Synonyms	CDK4; cyclin-dependent kinase 4; PSK-J3; p34< PSK-J3> /cdk4; serine/threonine kinase; cyclin dependent kinase 4; cell division protein kinase 4; Crk3;
Entrez Gene ID	12567
mRNA Refseq	NM_009870
Protein Refseq	NP_034000
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem;
Function	ATP binding; cyclin binding; cyclin-dependent protein kinase activity; cyclin-dependent protein kinase activity; kinase activity; nucleotide binding; protein binding; protein complex binding; protein kinase activity; protein serine/threonine kinase activi

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