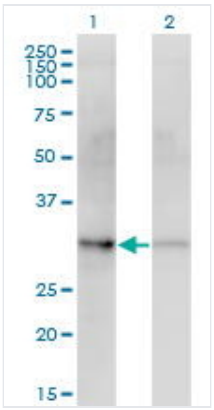
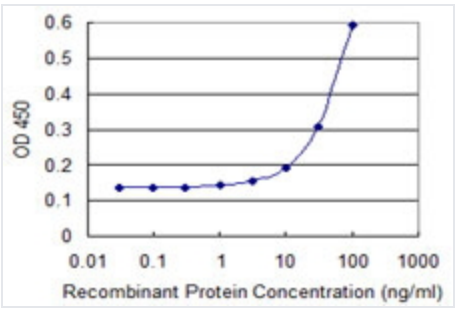
CDK4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CDK4, Monoclonal Antibody
Full Product Name	CDK4 (Cyclin-Dependent Kinase 4, CMM3, MGC14458, PSK-J3) (APC)
Product Gene Name	anti-CDK4 antibody
Product Synonym Names	Cyclin-Dependent Kinase 4; CMM3; MGC14458; PSK-J3
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	10
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified
Specificity	Recognizes CDK4.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo
Immunogen	CDK4 (AAH03644, 1aa-303aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	MATSRYEPVAEIGVGAYGTVYKARDPHSGHFVALKSVRVPNGGGGGGGLPISTVREVALLRRLEAFEHPNVVRLMDVCATSRTDREIKVTLVFEHVDQDL
Conjugate	APC
Product Categories/Family for anti-CDK4 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-CDK4 antibody	Western Blot (WB)
Application Notes for anti-CDK4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CDK4 antibody	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 c 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
Other Notes	Small volumes of anti-CDK4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess
Searchable Terms for CDK4 purchase	MBS6169177 is an antibody targeting CDK4. Also known as CDK4 (Cyclin-Dependent Kinase 4, CMM3, MGC14458, PSK-J3) (APC). Host: Mouse.



Western Blot (WB) of anti-CDK4 antibody
Western Blot analysis of CDK4 expression in transfected 293T cell line by CDK4 monoclonal antibody (M10), clone 1E1.Lane 1: CDK4 transfected lysate(33.7 KDa).Lane 2: Non-transfected lysate.



Testing Data of anti-CDK4 antibody
Detection limit for recombinant GST tagged CDK4 is 3 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDK4. It may not necessarily be applicable to this product.

NCBI GI #	13177739
NCBI GeneID	1019
NCBI Accession #	AAH03644
UniProt Related Accession #	P11802
NCBI Official Full Name	Cyclin-dependent kinase 4
NCBI Official Synonym Full Names	cyclin dependent kinase 4
NCBI Official Symbol	CDK4
NCBI Official Synonym Symbols	CMM3; PSK-J3
Protein Family	Cyclin-dependent kinase
NCBI Protein Information	cyclin-dependent kinase 4
Research Articles on CDK4	**1.** Taken together, these results suggest that IGF1R inhibitors activation is an escape mechanism to CDK4/6 inhibitors in Ewing sarcoma and that dual targeting of CDK4/6 inhibitors and IGF1R inhibitors provides a candidate synergistic combination for clinical application in this disease.
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.
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