

Mouse CDK4 Monoclonal Antibody | anti-CDK4 antibody

CDK4 (Cyclin-Dependent Kinase 4, CMM3, MGC14458, PSK-J3) (PE)

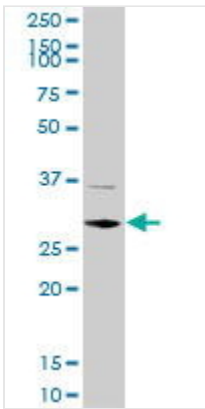
CATALOG #	HOST	APPLICATIONS
AAA26630	Mouse	Immunofluorescence, Western Blot

PRODUCT SYNONYMS

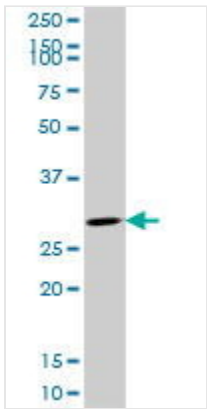
CDK4; Monoclonal Antibody; CDK4 (Cyclin-Dependent Kinase 4; CMM3; MGC14458; PSK-J3) (PE); Cyclin-Dependent Kinase 4; PSK-J3; anti-CDK4 antibody

PRODUCT SPECIFICATIONS

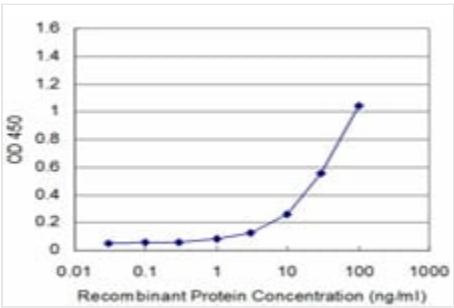
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	8A10
Specificity	Recognizes CDK4.
Purity/Purification	Purified
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Sequence Length	303
Applicable Applications for anti-CDK4 antibody	IF (Immunofluorescence), WB (Western Blot)
Application Notes	Applications are based on unconjugated antibody.
Immunogen	CDK4 (AAH03644, 211aa-303aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	KPLFCGNSEADQLGKIFDLIGLPPEDDWPRDVSLPRGAFPPRGPRPVQSVVPEMEESGAQLLEMLTFNPHKRISAFRALQHSYLHKDEGNPE
Conjugate	PE
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 amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.



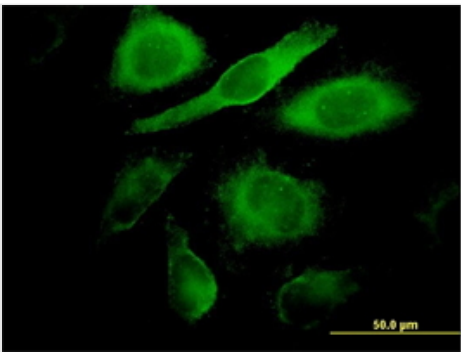
WB (Western Blot)
CDK4 monoclonal antibody (M09), clone 8A10. Western Blot analysis of CDK4 expression in Raw 264.7 (Cat # L024V1).



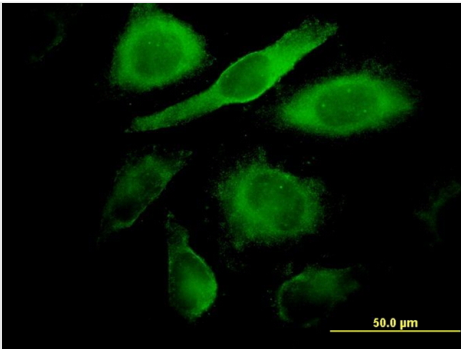
WB (Western Blot)
CDK4 monoclonal antibody (M09), clone 8A10. Western Blot analysis of CDK4 expression in NIH/3T3 (Cat # L018V1).



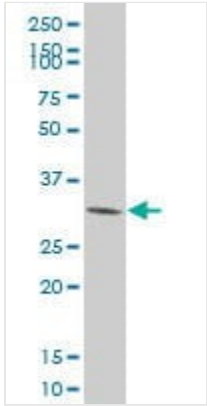
Application Data
Detection limit for recombinant GST tagged CDK4 is approximately 3ng/ml as a capture antibody.



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to CDK4 on HeLa cell. [antibody concentration 10 ug/ml]



IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to CDK4 on HeLa cell. [antibody concentration 10 ug/ml]



WB (Western Blot)
CDK4 monoclonal antibody (M09), clone 8A10 Western Blot analysis of CDK4 expression in HeLa (Cat # L013V1).

ADDITIONAL INFORMATION

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* 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. [provided by RefSeq]

NCBI AND UNIPROT INFORMATION

NCBI GI #	13177739
NCBI GeneID	1019
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
NCBI Protein Information	cyclin-dependent kinase 4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/cdk4-antibody-clone-8a10-immunofluorescence-western-blot-elisa/26630>